

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016524.D
 Acq On : 28 Nov 2023 16:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/29/2023
 Supervised By : Mahesh Dadoda 11/29/2023

Quant Time: Nov 29 03:10:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.813	168	139074	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.716	114	218736	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	192324	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.446	152	89784	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	59303	46.656	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.320%
35) Dibromofluoromethane	7.746	113	69711	56.103	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.200%
50) Toluene-d8	10.203	98	253249	50.259	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.520%
62) 4-Bromofluorobenzene	12.502	95	85501	52.245	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.500%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.918	85	61170	44.919	ug/l	94
3) Chloromethane	2.125	50	69048	43.295	ug/l	98
4) Vinyl Chloride	2.266	62	79478	46.344	ug/l	95
5) Bromomethane	2.674	94	53018	47.042	ug/l	100
6) Chloroethane	2.814	64	51414	46.984	ug/l	94
7) Trichlorofluoromethane	3.150	101	127976	51.292	ug/l	99
8) Diethyl Ether	3.552	74	36851	49.418	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.930	101	72305	48.115	ug/l	98
10) Methyl Iodide	4.119	142	92515	57.002	ug/l	97
11) Tert butyl alcohol	4.979	59	18931	190.193	ug/l #	95
12) 1,1-Dichloroethene	3.899	96	70884	50.437	ug/l	82
13) Acrolein	3.753	56	24441	203.577	ug/l	97
14) Allyl chloride	4.509	41	86903	43.575	ug/l #	87
15) Acrylonitrile	5.198	53	69465	234.734	ug/l	96
16) Acetone	3.973	43	50865	241.923	ug/l #	81
17) Carbon Disulfide	4.229	76	206364	48.666	ug/l	97
18) Methyl Acetate	4.509	43	52191	46.715	ug/l #	81
19) Methyl tert-butyl Ether	5.259	73	167127	49.133	ug/l	95
20) Methylene Chloride	4.753	84	80660	54.628	ug/l #	78
21) trans-1,2-Dichloroethene	5.253	96	84375	52.143	ug/l	87
22) Diisopropyl ether	6.149	45	188525	43.863	ug/l #	87
23) Vinyl Acetate	6.094	43	432431	207.640	ug/l #	88
24) 1,1-Dichloroethane	6.051	63	130076	49.057	ug/l #	95
25) 2-Butanone	7.015	43	77466	210.352	ug/l #	80
26) 2,2-Dichloropropane	7.009	77	119219	49.401	ug/l	95
27) cis-1,2-Dichloroethene	7.015	96	92619	53.112	ug/l	86
28) Bromochloromethane	7.368	49	45252	46.112	ug/l #	69
29) Tetrahydrofuran	7.380	42	50486	207.408	ug/l #	78
30) Chloroform	7.533	83	145826	52.836	ug/l	97
31) Cyclohexane	7.813	56	105005	41.959	ug/l #	85
32) 1,1,1-Trichloroethane	7.734	97	136261	53.859	ug/l	95
36) 1,1-Dichloropropene	7.947	75	106611	49.412	ug/l	96
37) Ethyl Acetate	7.106	43	36072	41.378	ug/l #	90
38) Carbon Tetrachloride	7.929	117	123921	55.340	ug/l	99
39) Methylcyclohexane	9.209	83	130147	48.409	ug/l	88
40) Benzene	8.191	78	318750	52.583	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.344	41	19345	44.010	ug/l	#	86
42) 1,2-Dichloroethane	8.264	62	80632	51.337	ug/l		92
43) Isopropyl Acetate	8.295	43	71205	42.255	ug/l	#	83
44) Trichloroethene	8.966	130	96756	55.538	ug/l		92
45) 1,2-Dichloropropane	9.240	63	72038	49.483	ug/l		97
46) Dibromomethane	9.331	93	42120	53.391	ug/l		99
47) Bromodichloromethane	9.520	83	107907	53.204	ug/l		97
48) Methyl methacrylate	9.313	41	40335	43.310	ug/l	#	76
49) 1,4-Dioxane	9.325	88	7869	939.542	ug/l	#	72
51) 4-Methyl-2-Pentanone	10.093	43	181366	212.839	ug/l	#	85
52) Toluene	10.270	92	205769	53.700	ug/l		93
53) t-1,3-Dichloropropene	10.484	75	99088	50.397	ug/l		98
54) cis-1,3-Dichloropropene	9.953	75	121012	51.530	ug/l	#	83
55) 1,1,2-Trichloroethane	10.666	97	59682	54.888	ug/l		94
56) Ethyl methacrylate	10.532	69	51385	50.062	ug/l	#	76
57) 1,3-Dichloropropane	10.813	76	96525	52.078	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.807	63	161629	232.230	ug/l	#	87
59) 2-Hexanone	10.855	43	124383	196.240	ug/l		80
60) Dibromochloromethane	11.008	129	78527	57.745	ug/l		100
61) 1,2-Dibromoethane	11.112	107	55665	53.735	ug/l		99
64) Tetrachloroethene	10.746	164	97328	56.361	ug/l		97
65) Chlorobenzene	11.538	112	220488	53.659	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.611	131	85866	56.657	ug/l		100
67) Ethyl Benzene	11.611	91	391271	52.984	ug/l		99
68) m/p-Xylenes	11.721	106	300634	107.334	ug/l		93
69) o-Xylene	12.050	106	142254	54.702	ug/l		94
70) Styrene	12.063	104	203243	54.581	ug/l		98
71) Bromoform	12.227	173	45178	57.449	ug/l	#	100
73) Isopropylbenzene	12.349	105	385604	53.037	ug/l		99
74) N-amyl acetate	12.160	43	55648	38.105	ug/l	#	79
75) 1,1,2,2-Tetrachloroethane	12.599	83	57784	49.530	ug/l		100
76) 1,2,3-Trichloropropane	12.654	75	38980m	45.258	ug/l		
77) Bromobenzene	12.630	156	88952	54.132	ug/l		89
78) n-propylbenzene	12.691	91	429875	50.031	ug/l		97
79) 2-Chlorotoluene	12.776	91	244808	51.700	ug/l		97
80) 1,3,5-Trimethylbenzene	12.831	105	309162	52.741	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.398	75	19148	48.256	ug/l		88
82) 4-Chlorotoluene	12.873	91	247524	50.588	ug/l		96
83) tert-Butylbenzene	13.093	119	277416	53.730	ug/l		96
84) 1,2,4-Trimethylbenzene	13.142	105	302140	52.347	ug/l		96
85) sec-Butylbenzene	13.276	105	372503	50.500	ug/l		98
86) p-Isopropyltoluene	13.392	119	329799	51.924	ug/l		97
87) 1,3-Dichlorobenzene	13.386	146	168118	53.179	ug/l		99
88) 1,4-Dichlorobenzene	13.465	146	161906	52.404	ug/l		99
89) n-Butylbenzene	13.715	91	280727	47.859	ug/l		95
90) Hexachloroethane	13.983	117	63672	51.967	ug/l		96
91) 1,2-Dichlorobenzene	13.757	146	142697	52.676	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.379	75	8193	44.140	ug/l		80
93) 1,2,4-Trichlorobenzene	15.025	180	77204	48.825	ug/l		99
94) Hexachlorobutadiene	15.129	225	47461	52.391	ug/l		96
95) Naphthalene	15.257	128	133289	47.131	ug/l		99
96) 1,2,3-Trichlorobenzene	15.446	180	62619	47.879	ug/l		98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

11/29/2023
Supervised By :Mahesh
Dadoda

11/29/2023

