

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016472.D
 Acq On : 22 Nov 2023 19:04
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 11/24/2023
 Supervised By :Semsettin Yesilyurt 11/24/2023

Quant Time: Nov 23 04:10:12 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	7.795	168	139242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	222575	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	200527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	96977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	65781	51.690	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.380%			
35) Dibromofluoromethane	7.728	113	71967	56.919	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.840%			
50) Toluene-d8	10.185	98	268254	52.319	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.489	95	92798	55.726	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65799	48.260	ug/l	97
3) Chloromethane	2.119	50	73169	45.823	ug/l	99
4) Vinyl Chloride	2.253	62	79363	46.222	ug/l	98
5) Bromomethane	2.656	94	58952	52.244	ug/l	98
6) Chloroethane	2.802	64	52087	47.541	ug/l	95
7) Trichlorofluoromethane	3.131	101	133896	53.600	ug/l	99
8) Diethyl Ether	3.540	74	39083	52.348	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.905	101	76402	50.780	ug/l	96
10) Methyl Iodide	4.101	142	91289	56.179	ug/l	99
11) Tert butyl alcohol	4.972	59	23480	235.611	ug/l #	81
12) 1,1-Dichloroethene	3.881	96	72880	51.795	ug/l	84
13) Acrolein	3.735	56	21208	176.435	ug/l	98
14) Allyl chloride	4.491	41	90509	45.328	ug/l #	89
15) Acrylonitrile	5.174	53	74039	249.888	ug/l	97
16) Acetone	3.954	43	50544	240.106	ug/l #	86
17) Carbon Disulfide	4.204	76	216768	51.058	ug/l	97
18) Methyl Acetate	4.485	43	55277	49.418	ug/l #	84
19) Methyl tert-butyl Ether	5.234	73	176814	51.918	ug/l	99
20) Methylene Chloride	4.728	84	90598	61.740	ug/l #	83
21) trans-1,2-Dichloroethene	5.234	96	86677	53.501	ug/l	90
22) Diisopropyl ether	6.131	45	201187	46.752	ug/l #	86
23) Vinyl Acetate	6.070	43	473679	227.171	ug/l #	89
24) 1,1-Dichloroethane	6.027	63	134390	50.622	ug/l	95
25) 2-Butanone	6.990	43	84387	228.869	ug/l #	88
26) 2,2-Dichloropropane	6.990	77	118585	49.079	ug/l	96
27) cis-1,2-Dichloroethene	6.996	96	95265	54.563	ug/l	86
28) Bromochloromethane	7.344	49	53880	54.838	ug/l #	71
29) Tetrahydrofuran	7.356	42	57349	235.319	ug/l #	80
30) Chloroform	7.515	83	150267	54.379	ug/l	96
31) Cyclohexane	7.795	56	111474	44.491	ug/l #	84
32) 1,1,1-Trichloroethane	7.710	97	137722	54.371	ug/l	95
36) 1,1-Dichloropropene	7.929	75	111016	50.566	ug/l	96
37) Ethyl Acetate	7.082	43	41391	46.660	ug/l #	91
38) Carbon Tetrachloride	7.911	117	128401	56.352	ug/l	99
39) Methylcyclohexane	9.191	83	138292	50.551	ug/l	88
40) Benzene	8.173	78	330890	53.644	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	22035	49.265	ug/l	91
42) 1,2-Dichloroethane	8.246	62	86745	54.276	ug/l	90
43) Isopropyl Acetate	8.283	43	78711	45.904	ug/l #	84
44) Trichloroethene	8.947	130	99736	56.261	ug/l	96
45) 1,2-Dichloropropane	9.228	63	77243	52.143	ug/l	99
46) Dibromomethane	9.313	93	44646	55.616	ug/l	100
47) Bromodichloromethane	9.502	83	113465	54.979	ug/l	98
48) Methyl methacrylate	9.301	41	44808	47.283	ug/l #	78
49) 1,4-Dioxane	9.301	88	9669	1134.546	ug/l #	67
51) 4-Methyl-2-Pentanone	10.075	43	201144	231.978	ug/l #	86
52) Toluene	10.252	92	215944	55.383	ug/l	93
53) t-1,3-Dichloropropene	10.471	75	106775	53.370	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	129813	54.325	ug/l #	85
55) 1,1,2-Trichloroethane	10.654	97	62097	56.124	ug/l	94
56) Ethyl methacrylate	10.514	69	57446	55.002	ug/l #	77
57) 1,3-Dichloropropane	10.794	76	103202	54.720	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.789	63	193205	272.811	ug/l #	88
59) 2-Hexanone	10.837	43	138916	215.388	ug/l	82
60) Dibromochloromethane	10.990	129	82690	59.757	ug/l	100
61) 1,2-Dibromoethane	11.093	107	60165	57.077	ug/l	100
64) Tetrachloroethene	10.727	164	107131	59.500	ug/l	97
65) Chlorobenzene	11.526	112	231951	54.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	89260	56.487	ug/l	99
67) Ethyl Benzene	11.599	91	409735	53.215	ug/l	97
68) m/p-Xylenes	11.709	106	318132	108.935	ug/l	93
69) o-Xylene	12.038	106	149607	55.176	ug/l	95
70) Styrene	12.050	104	219423	56.515	ug/l	97
71) Bromoform	12.215	173	48030	58.577	ug/l #	100
73) Isopropylbenzene	12.337	105	403806	51.421	ug/l	99
74) N-amyl acetate	12.148	43	65806	41.718	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.587	83	61862	49.092	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	47791m	51.372	ug/l	
77) Bromobenzene	12.617	156	96832	54.557	ug/l	89
78) n-propylbenzene	12.678	91	464325	50.032	ug/l	97
79) 2-Chlorotoluene	12.764	91	261391	51.108	ug/l	96
80) 1,3,5-Trimethylbenzene	12.819	105	331453	52.350	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.386	75	20483	47.792	ug/l	88
82) 4-Chlorotoluene	12.861	91	272231	51.511	ug/l	96
83) tert-Butylbenzene	13.081	119	288986	51.819	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	328868	52.751	ug/l	97
85) sec-Butylbenzene	13.257	105	405569	50.904	ug/l	99
86) p-Isopropyltoluene	13.373	119	362624	52.858	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	183358	53.698	ug/l	100
88) 1,4-Dichlorobenzene	13.453	146	179904	53.910	ug/l	100
89) n-Butylbenzene	13.702	91	320244	50.547	ug/l	96
90) Hexachloroethane	13.971	117	70803	53.501	ug/l	96
91) 1,2-Dichlorobenzene	13.745	146	162320	55.475	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	9673	48.248	ug/l	80
93) 1,2,4-Trichlorobenzene	15.013	180	98648	57.759	ug/l	99
94) Hexachlorobutadiene	15.117	225	57240	58.499	ug/l	98
95) Naphthalene	15.245	128	175380	57.414	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	82438	58.357	ug/l	98

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

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