

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112823\
 Data File : VY016514.D
 Acq On : 28 Nov 2023 12:23
 Operator : SY/MD
 Sample : VY1128SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 29 03:06:30 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

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 11/29/2023

Supervised By :Mahesh
 Dadoda
 11/29/2023

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

Internal Standards						
1) Pentafluorobenzene	7.819	168	148149	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	225574	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.514	117	191623	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	89800	50.000	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.167	65	61787	45.632	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.260%
35) Dibromofluoromethane	7.746	113	72997	56.966	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.940%
50) Toluene-d8	10.203	98	266433	51.273	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.540%
62) 4-Bromofluorobenzene	12.502	95	87959	52.118	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.240%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.918	85	34220	23.590	ug/l	100
3) Chloromethane	2.131	50	33819	19.906	ug/l	97
4) Vinyl Chloride	2.272	62	37684	20.628	ug/l	99
5) Bromomethane	2.674	94	24016	20.004	ug/l	92
6) Chloroethane	2.820	64	22803	19.562	ug/l	98
7) Trichlorofluoromethane	3.150	101	62286	23.435	ug/l	98
8) Diethyl Ether	3.558	74	16322	20.547	ug/l	76
9) 1,1,2-Trichlorotrifluo...	3.930	101	35711	22.308	ug/l	97
10) Methyl Iodide	4.125	142	38970	22.540	ug/l	98
11) Tert butyl alcohol	4.991	59	8941	84.325	ug/l #	92
12) 1,1-Dichloroethene	3.906	96	32590	21.769	ug/l #	80
13) Acrolein	3.753	56	7465	58.370	ug/l	99
14) Allyl chloride	4.509	41	37662	17.728	ug/l #	88
15) Acrylonitrile	5.198	53	28504	90.420	ug/l	97
16) Acetone	3.973	43	25246	112.719	ug/l #	85
17) Carbon Disulfide	4.229	76	91980	20.363	ug/l	99
18) Methyl Acetate	4.515	43	20202	16.975	ug/l #	83
19) Methyl tert-butyl Ether	5.259	73	68777	18.981	ug/l	97
20) Methylene Chloride	4.753	84	36794	21.253	ug/l #	78
21) trans-1,2-Dichloroethene	5.259	96	36646	21.260	ug/l	89
22) Diisopropyl ether	6.155	45	80398	17.560	ug/l #	84
23) Vinyl Acetate	6.094	43	185671	83.692	ug/l #	87
24) 1,1-Dichloroethane	6.052	63	55958	19.811	ug/l #	97
25) 2-Butanone	7.015	43	38025	96.929	ug/l #	85
26) 2,2-Dichloropropane	7.015	77	53921	20.975	ug/l	95
27) cis-1,2-Dichloroethene	7.021	96	39740	21.393	ug/l	85
28) Bromochloromethane	7.362	49	18261	17.468	ug/l #	70
29) Tetrahydrofuran	7.381	42	21779	83.993	ug/l #	81
30) Chloroform	7.533	83	63009	21.431	ug/l	98
31) Cyclohexane	7.819	56	50640	18.996	ug/l #	80
32) 1,1,1-Trichloroethane	7.734	97	59902	22.227	ug/l	95
36) 1,1-Dichloropropene	7.948	75	48909	21.981	ug/l	98
37) Ethyl Acetate	7.106	43	14962	16.643	ug/l #	90
38) Carbon Tetrachloride	7.929	117	56547	24.487	ug/l	97
39) Methylcyclohexane	9.209	83	61613	22.223	ug/l #	88
40) Benzene	8.185	78	138806	22.204	ug/l	99

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41) Methacrylonitrile	7.332	41	8963m	19.773	ug/l	
42) 1,2-Dichloroethane	8.265	62	33511	20.689	ug/l	91
43) Isopropyl Acetate	8.301	43	30391	17.488	ug/l #	84
44) Trichloroethene	8.966	130	41585	23.146	ug/l	92
45) 1,2-Dichloropropane	9.240	63	30789	20.508	ug/l	94
46) Dibromomethane	9.331	93	17091	21.008	ug/l	98
47) Bromodichloromethane	9.520	83	45452	21.731	ug/l	97
48) Methyl methacrylate	9.313	41	16690	17.378	ug/l #	78
49) 1,4-Dioxane	9.319	88	3236	374.659	ug/l #	65
51) 4-Methyl-2-Pentanone	10.093	43	77291	87.954	ug/l #	86
52) Toluene	10.264	92	87768	22.211	ug/l	96
53) t-1,3-Dichloropropene	10.484	75	41631	20.532	ug/l	97
54) cis-1,3-Dichloropropene	9.953	75	50977	21.049	ug/l #	85
55) 1,1,2-Trichloroethane	10.667	97	24610	21.947	ug/l	96
56) Ethyl methacrylate	10.532	69	20887	19.732	ug/l #	75
57) 1,3-Dichloropropane	10.813	76	40996	21.448	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.801	63	63560	88.555	ug/l #	88
59) 2-Hexanone	10.849	43	62373	95.423	ug/l	81
60) Dibromochloromethane	11.008	129	32595	23.242	ug/l	100
61) 1,2-Dibromoethane	11.112	107	23311	21.820	ug/l	98
64) Tetrachloroethene	10.740	164	42214	24.535	ug/l	97
65) Chlorobenzene	11.538	112	94126	22.991	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.611	131	35982	23.829	ug/l	98
67) Ethyl Benzene	11.611	91	167388	22.750	ug/l	97
68) m/p-Xylenes	11.721	106	130347	46.707	ug/l	92
69) o-Xylene	12.050	106	60042	23.173	ug/l	93
70) Styrene	12.063	104	84643	22.814	ug/l	98
71) Bromoform	12.227	173	18929	24.158	ug/l #	98
73) Isopropylbenzene	12.349	105	165286	22.730	ug/l	98
74) N-amyl acetate	12.166	43	23945	16.393	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.599	83	24652	21.127	ug/l	99
76) 1,2,3-Trichloropropane	12.654	75	15679m	18.201	ug/l	
77) Bromobenzene	12.630	156	38282	23.293	ug/l	87
78) n-propylbenzene	12.691	91	190946	22.219	ug/l	97
79) 2-Chlorotoluene	12.776	91	104222	22.006	ug/l	96
80) 1,3,5-Trimethylbenzene	12.831	105	133176	22.715	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.398	75	8412	21.196	ug/l #	85
82) 4-Chlorotoluene	12.873	91	106557	21.774	ug/l	97
83) tert-Butylbenzene	13.093	119	118312	22.910	ug/l	98
84) 1,2,4-Trimethylbenzene	13.142	105	130629	22.628	ug/l	97
85) sec-Butylbenzene	13.270	105	168527	22.843	ug/l	99
86) p-Isopropyltoluene	13.392	119	145258	22.866	ug/l	98
87) 1,3-Dichlorobenzene	13.386	146	71338	22.562	ug/l	100
88) 1,4-Dichlorobenzene	13.465	146	69882	22.614	ug/l	99
89) n-Butylbenzene	13.715	91	127690	21.765	ug/l	96
90) Hexachloroethane	13.983	117	27792	22.679	ug/l	95
91) 1,2-Dichlorobenzene	13.757	146	61069	22.539	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.373	75	3529	19.009	ug/l	84
93) 1,2,4-Trichlorobenzene	15.026	180	31456	19.890	ug/l	98
94) Hexachlorobutadiene	15.129	225	21328	23.539	ug/l	97
95) Naphthalene	15.257	128	52262	18.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	25076	19.170	ug/l	97

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

