

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121623\
 Data File : VY016666.D
 Acq On : 16 Dec 2023 13:34
 Operator : SY/MD
 Sample : VY1216SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2023
 Supervised By :Semsettin Yesilyurt 12/18/2023

Quant Time: Dec 18 00:38:04 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121523S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 16 00:39:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	245896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	388988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	353912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	159428	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	84197	41.946	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	83.900%		
35) Dibromofluoromethane	7.722	113	91168	43.694	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.380%		
50) Toluene-d8	10.185	98	353707	43.286	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.580%		
62) 4-Bromofluorobenzene	12.489	95	113937	42.611	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	85.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	34495	18.000	ug/l	99
3) Chloromethane	2.113	50	54670	18.306	ug/l	96
4) Vinyl Chloride	2.253	62	64665	18.862	ug/l	90
5) Bromomethane	2.650	94	47647	19.418	ug/l	100
6) Chloroethane	2.790	64	42412	19.020	ug/l	97
7) Trichlorofluoromethane	3.125	101	72541	18.945	ug/l	94
8) Diethyl Ether	3.534	74	22733	19.006	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.899	101	44168	18.651	ug/l	95
10) Methyl Iodide	4.094	142	45277	18.370	ug/l	96
11) Tert butyl alcohol	4.954	59	14957	92.168	ug/l #	80
12) 1,1-Dichloroethene	3.869	96	41088	18.404	ug/l	89
13) Acrolein	3.729	56	13516	103.135	ug/l	100
14) Allyl chloride	4.478	41	54961	18.158	ug/l #	93
15) Acrylonitrile	5.161	53	44636	89.676	ug/l	95
16) Acetone	3.948	43	56371	101.990	ug/l #	88
17) Carbon Disulfide	4.198	76	128844	18.247	ug/l	98
18) Methyl Acetate	4.478	43	32007	17.043	ug/l #	86
19) Methyl tert-butyl Ether	5.222	73	96639	18.462	ug/l	99
20) Methylene Chloride	4.722	84	58146	19.905	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	48817	18.768	ug/l	89
22) Diisopropyl ether	6.125	45	121904	18.792	ug/l	88
23) Vinyl Acetate	6.064	43	289351	90.522	ug/l #	93
24) 1,1-Dichloroethane	6.021	63	77402	18.284	ug/l	96
25) 2-Butanone	6.984	43	69823	94.179	ug/l #	89
26) 2,2-Dichloropropane	6.990	77	72210	19.213	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	52469	18.679	ug/l	90
28) Bromochloromethane	7.338	49	30748	22.217	ug/l	90
29) Tetrahydrofuran	7.356	42	38254	97.856	ug/l	91
30) Chloroform	7.508	83	83870	19.050	ug/l	98
31) Cyclohexane	7.789	56	73258	18.452	ug/l	86
32) 1,1,1-Trichloroethane	7.710	97	75148	19.026	ug/l	98
36) 1,1-Dichloropropene	7.923	75	64943	18.792	ug/l	98
37) Ethyl Acetate	7.076	43	25185	17.684	ug/l	96
38) Carbon Tetrachloride	7.905	117	66710	19.218	ug/l	98
39) Methylcyclohexane	9.185	83	82001	18.879	ug/l	94
40) Benzene	8.167	78	198079	19.556	ug/l #	87

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	13790m	19.223	ug/l	
42) 1,2-Dichloroethane	8.240	62	53168	20.538	ug/l	85
43) Isopropyl Acetate	8.277	43	47982	18.332	ug/l #	90
44) Trichloroethene	8.947	130	53770	19.061	ug/l	98
45) 1,2-Dichloropropane	9.222	63	47158	19.930	ug/l	98
46) Dibromomethane	9.313	93	24394	18.642	ug/l	95
47) Bromodichloromethane	9.502	83	64533	19.518	ug/l #	96
48) Methyl methacrylate	9.301	41	26360	18.187	ug/l	90
49) 1,4-Dioxane	9.301	88	5001	356.764	ug/l #	59
51) 4-Methyl-2-Pentanone	10.075	43	121463	88.482	ug/l	88
52) Toluene	10.246	92	131566	20.737	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	58775	18.843	ug/l	93
54) cis-1,3-Dichloropropene	9.935	75	76746	20.464	ug/l #	77
55) 1,1,2-Trichloroethane	10.648	97	35148	19.116	ug/l	97
56) Ethyl methacrylate	10.514	69	30062	18.858	ug/l #	92
57) 1,3-Dichloropropane	10.794	76	58159	19.006	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	85101	85.720	ug/l	91
59) 2-Hexanone	10.837	43	104734	92.998	ug/l	87
60) Dibromochloromethane	10.990	129	46996	21.090	ug/l	96
61) 1,2-Dibromoethane	11.093	107	34234	19.838	ug/l	95
64) Tetrachloroethene	10.727	164	55132	19.014	ug/l	96
65) Chlorobenzene	11.520	112	131182	19.003	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	48207	19.095	ug/l	95
67) Ethyl Benzene	11.599	91	236304	19.027	ug/l	99
68) m/p-Xylenes	11.709	106	194879	40.674	ug/l #	65
69) o-Xylene	12.032	106	84780m	19.345	ug/l	
70) Styrene	12.050	104	124803	19.656	ug/l	97
71) Bromoform	12.215	173	25609	18.705	ug/l #	99
73) Isopropylbenzene	12.337	105	224005	19.975	ug/l	98
74) N-amyl acetate	12.148	43	37271	17.733	ug/l #	77
75) 1,1,2,2-Tetrachloroethane	12.587	83	36263	19.008	ug/l	85
76) 1,2,3-Trichloropropane	12.636	75	26741m	18.312	ug/l	
77) Bromobenzene	12.611	156	51363	19.550	ug/l	91
78) n-propylbenzene	12.678	91	316437	23.608	ug/l	92
79) 2-Chlorotoluene	12.764	91	142112	19.308	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	177281	19.771	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.386	75	12458m	19.495	ug/l	
82) 4-Chlorotoluene	12.861	91	147775	19.415	ug/l	97
83) tert-Butylbenzene	13.081	119	154821	19.788	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	189910	21.355	ug/l	97
85) sec-Butylbenzene	13.257	105	227458	19.812	ug/l	100
86) p-Isopropyltoluene	13.373	119	194453	19.838	ug/l	97
87) 1,3-Dichlorobenzene	13.373	146	98605	19.310	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	97346	19.387	ug/l	99
89) n-Butylbenzene	13.702	91	177020	19.440	ug/l	97
90) Hexachloroethane	13.965	117	48686	24.955	ug/l	73
91) 1,2-Dichlorobenzene	13.745	146	83276	19.006	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	4892	17.717	ug/l	87
93) 1,2,4-Trichlorobenzene	15.013	180	44573	18.832	ug/l	92
94) Hexachlorobutadiene	15.117	225	27127	19.095	ug/l	99
95) Naphthalene	15.239	128	76866	20.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	35549	18.221	ug/l	99

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

