

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016702.D
 Acq On : 19 Dec 2023 18:53
 Operator : SY/MD
 Sample : VY1219SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1219SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/20/2023
 Supervised By :Semsettin Yesilyurt 12/20/2023

Quant Time: Dec 20 06:37:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.807	168	170127	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	255328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	220175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	104418	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	67584	48.028	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.060%		
35) Dibromofluoromethane	7.740	113	68674	45.667	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.340%		
50) Toluene-d8	10.191	98	255009	46.824	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.640%		
62) 4-Bromofluorobenzene	12.489	95	72285	46.681	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	93.360%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	28468	21.484	ug/l	99
3) Chloromethane	2.125	50	46432	17.624	ug/l	98
4) Vinyl Chloride	2.259	62	62630	19.061	ug/l	98
5) Bromomethane	2.662	94	58842	20.640	ug/l	99
6) Chloroethane	2.808	64	43365	17.632	ug/l	95
7) Trichlorofluoromethane	3.137	101	57619	20.007	ug/l	93
8) Diethyl Ether	3.546	74	16055	20.826	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.912	101	31843	20.380	ug/l	95
10) Methyl Iodide	4.107	142	35443	19.975	ug/l	97
11) Tert butyl alcohol	4.966	59	10518	103.095	ug/l	99
12) 1,1-Dichloroethene	3.893	96	27758	19.587	ug/l	99
13) Acrolein	3.747	56	10749	142.316	ug/l	94
14) Allyl chloride	4.503	41	34392	19.436	ug/l #	86
15) Acrylonitrile	5.192	53	32512	105.341	ug/l	100
16) Acetone	3.960	43	37432	110.491	ug/l	90
17) Carbon Disulfide	4.210	76	71349	18.812	ug/l	99
18) Methyl Acetate	4.497	43	22998	18.862	ug/l	97
19) Methyl tert-butyl Ether	5.241	73	71133	20.779	ug/l	95
20) Methylene Chloride	4.735	84	37878	21.780	ug/l	91
21) trans-1,2-Dichloroethene	5.241	96	31365	19.570	ug/l	96
22) Diisopropyl ether	6.143	45	81476	20.117	ug/l	91
23) Vinyl Acetate	6.082	43	206615	104.329	ug/l	99
24) 1,1-Dichloroethane	6.033	63	54782	19.641	ug/l	99
25) 2-Butanone	7.009	43	45709	108.326	ug/l	94
26) 2,2-Dichloropropane	7.002	77	49955	19.722	ug/l	95
27) cis-1,2-Dichloroethene	7.009	96	36038	19.894	ug/l	96
28) Bromochloromethane	7.356	49	22585	22.300	ug/l	92
29) Tetrahydrofuran	7.374	42	24145	105.981	ug/l	99
30) Chloroform	7.527	83	60596	20.250	ug/l	96
31) Cyclohexane	7.801	56	44567	19.350	ug/l	98
32) 1,1,1-Trichloroethane	7.722	97	53428	20.108	ug/l	97
36) 1,1-Dichloropropene	7.935	75	43930	19.312	ug/l	98
37) Ethyl Acetate	7.094	43	19235	22.078	ug/l #	95
38) Carbon Tetrachloride	7.917	117	48052	19.578	ug/l	96
39) Methylcyclohexane	9.197	83	50537	19.297	ug/l	89
40) Benzene	8.179	78	125778	19.245	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	8190	17.700	ug/l #	87
42) 1,2-Dichloroethane	8.252	62	36334	19.647	ug/l	98
43) Isopropyl Acetate	8.289	43	34971	20.899	ug/l	95
44) Trichloroethene	8.959	130	34610	19.243	ug/l	97
45) 1,2-Dichloropropane	9.234	63	30028	19.223	ug/l	99
46) Dibromomethane	9.319	93	17892	20.283	ug/l	98
47) Bromodichloromethane	9.508	83	45054	19.561	ug/l	97
48) Methyl methacrylate	9.307	41	17943	19.763	ug/l #	88
49) 1,4-Dioxane	9.313	88	3506	431.679	ug/l #	89
51) 4-Methyl-2-Pentanone	10.081	43	90523	105.400	ug/l	94
52) Toluene	10.258	92	78135	19.540	ug/l	95
53) t-1,3-Dichloropropene	10.477	75	40042	19.416	ug/l	96
54) cis-1,3-Dichloropropene	9.941	75	48558	19.871	ug/l	92
55) 1,1,2-Trichloroethane	10.654	97	24432	20.050	ug/l	96
56) Ethyl methacrylate	10.520	69	20073	20.243	ug/l #	91
57) 1,3-Dichloropropane	10.801	76	40669	20.227	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.795	63	64007	105.908	ug/l	94
59) 2-Hexanone	10.843	43	68603	109.636	ug/l	95
60) Dibromochloromethane	10.996	129	29634	20.030	ug/l	96
61) 1,2-Dibromoethane	11.099	107	22468	20.473	ug/l	99
64) Tetrachloroethene	10.734	164	29975	19.737	ug/l	97
65) Chlorobenzene	11.526	112	83708	19.198	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.599	131	32083	18.993	ug/l	99
67) Ethyl Benzene	11.605	91	147409	18.924	ug/l	99
68) m/p-Xylenes	11.715	106	112311	38.037	ug/l	99
69) o-Xylene	12.038	106	50800	18.833	ug/l	96
70) Styrene	12.056	104	73967	18.991	ug/l	98
71) Bromoform	12.215	173	17718	20.251	ug/l #	99
73) Isopropylbenzene	12.337	105	141473	19.595	ug/l	99
74) N-amyl acetate	12.154	43	26908	20.597	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.593	83	27665	20.593	ug/l	98
76) 1,2,3-Trichloropropane	12.642	75	17309m	19.070	ug/l	
77) Bromobenzene	12.617	156	34576	19.862	ug/l	98
78) n-propylbenzene	12.678	91	169028	19.748	ug/l	99
79) 2-Chlorotoluene	12.764	91	91269	19.907	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	110748	19.575	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	7879	19.917	ug/l #	85
82) 4-Chlorotoluene	12.861	91	91416	19.282	ug/l	96
83) tert-Butylbenzene	13.081	119	101559	19.949	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	113589	20.030	ug/l	99
85) sec-Butylbenzene	13.264	105	146119	19.903	ug/l	100
86) p-Isopropyltoluene	13.379	119	126130	19.651	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	66161	19.206	ug/l	97
88) 1,4-Dichlorobenzene	13.453	146	66307	20.092	ug/l	99
89) n-Butylbenzene	13.703	91	119274	20.328	ug/l	96
90) Hexachloroethane	13.971	117	25103	19.624	ug/l	97
91) 1,2-Dichlorobenzene	13.745	146	56805	20.072	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.367	75	3780	21.460	ug/l	95
93) 1,2,4-Trichlorobenzene	15.013	180	35677	21.090	ug/l	98
94) Hexachlorobutadiene	15.123	225	22536	21.077	ug/l	97
95) Naphthalene	15.245	128	58548	21.620	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	29966	20.943	ug/l	98

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

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