

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112822\
 Data File : VY011592.D
 Acq On : 28 Nov 2022 10:52
 Operator : KP/MD
 Sample : VY1128SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1128SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/29/2022
 Supervised By :Mahesh Dadoda 11/29/2022

Quant Time: Nov 29 00:24:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	185688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297253	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	271917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	96933	51.411	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.820%			
35) Dibromofluoromethane	7.716	113	92317	50.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.900%			
50) Toluene-d8	10.179	98	323594	48.664	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.483	95	124785	50.756	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.520%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31205	28.130	ug/l	98
3) Chloromethane	2.113	50	36867	20.761	ug/l	99
4) Vinyl Chloride	2.253	62	39989	19.040	ug/l	98
5) Bromomethane	2.637	94	28056	18.402	ug/l	98
6) Chloroethane	2.790	64	26371	17.996	ug/l	99
7) Trichlorofluoromethane	3.125	101	66199	21.488	ug/l	92
8) Diethyl Ether	3.527	74	22885	22.985	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	38213	21.451	ug/l	94
10) Methyl Iodide	4.088	142	41393	19.944	ug/l	96
11) Tert butyl alcohol	4.942	59	38420	179.689	ug/l	97
12) 1,1-Dichloroethene	3.869	96	35330	21.651	ug/l	91
13) Acrolein	3.722	56	6769	136.156	ug/l	95
14) Allyl chloride	4.478	41	61292	21.396	ug/l	92
15) Acrylonitrile	5.161	53	64487	118.579	ug/l	96
16) Acetone	3.948	43	67084	109.537	ug/l	91
17) Carbon Disulfide	4.192	76	97175	21.487	ug/l	99
18) Methyl Acetate	4.478	43	38219	25.807	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	106093	22.781	ug/l	99
20) Methylene Chloride	4.716	84	61874	20.641	ug/l	87
21) trans-1,2-Dichloroethene	5.216	96	40771	21.621	ug/l	90
22) Diisopropyl ether	6.118	45	136088	21.764	ug/l	95
23) Vinyl Acetate	6.057	43	400715	110.014	ug/l	97
24) 1,1-Dichloroethane	6.015	63	77558	21.125	ug/l	99
25) 2-Butanone	6.984	43	94196	117.032	ug/l	91
26) 2,2-Dichloropropane	6.978	77	71968	21.239	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	47762	21.515	ug/l	95
28) Bromochloromethane	7.332	49	30448	20.644	ug/l	92
29) Tetrahydrofuran	7.344	42	54227	119.301	ug/l	92
30) Chloroform	7.502	83	81531	21.414	ug/l	97
31) Cyclohexane	7.783	56	64863	20.755	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	72055	21.156	ug/l	96
36) 1,1-Dichloropropene	7.917	75	58726	20.531	ug/l	99
37) Ethyl Acetate	7.076	43	36630	22.490	ug/l	96
38) Carbon Tetrachloride	7.899	117	64937	20.292	ug/l	96
39) Methylcyclohexane	9.185	83	65479	20.513	ug/l	95
40) Benzene	8.161	78	173429	20.815	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	19271m	23.401	ug/l	
42) 1,2-Dichloroethane	8.234	62	53314	20.690	ug/l	94
43) Isopropyl Acetate	8.270	43	63882	21.741	ug/l	94
44) Trichloroethene	8.941	130	45549	20.318	ug/l	97
45) 1,2-Dichloropropane	9.215	63	43722	20.529	ug/l	92
46) Dibromomethane	9.307	93	25083	21.064	ug/l	97
47) Bromodichloromethane	9.496	83	62242	20.751	ug/l	99
48) Methyl methacrylate	9.289	41	28387	21.751	ug/l #	88
49) 1,4-Dioxane	9.295	88	6870	465.854	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	182717	111.864	ug/l	93
52) Toluene	10.246	92	108946	20.677	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	63221	21.086	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	70337	20.853	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	35827	21.030	ug/l	97
56) Ethyl methacrylate	10.508	69	46648	22.016	ug/l #	84
57) 1,3-Dichloropropane	10.788	76	61892	21.451	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	115999	111.784	ug/l	97
59) 2-Hexanone	10.831	43	133937	114.890	ug/l	93
60) Dibromochloromethane	10.983	129	43461	20.816	ug/l	99
61) 1,2-Dibromoethane	11.087	107	33516	21.553	ug/l	100
64) Tetrachloroethene	10.721	164	45792	20.436	ug/l	97
65) Chlorobenzene	11.514	112	117748	20.679	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	44955	20.831	ug/l	99
67) Ethyl Benzene	11.593	91	210045	20.430	ug/l	100
68) m/p-Xylenes	11.703	106	160554	41.024	ug/l	97
69) o-Xylene	12.032	106	75762	20.792	ug/l	97
70) Styrene	12.044	104	128497	20.660	ug/l	98
71) Bromoform	12.209	173	28105	21.406	ug/l #	98
73) Isopropylbenzene	12.331	105	205786	20.243	ug/l	100
74) N-amyl acetate	12.142	43	54594	21.748	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	43230	21.581	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	34158m	22.565	ug/l	
77) Bromobenzene	12.611	156	48347	20.368	ug/l	99
78) n-propylbenzene	12.672	91	254736	20.540	ug/l	99
79) 2-Chlorotoluene	12.757	91	144152	20.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	178328	20.810	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	14895	21.553	ug/l	94
82) 4-Chlorotoluene	12.855	91	150832	20.636	ug/l	99
83) tert-Butylbenzene	13.074	119	150961	20.225	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	175210	20.702	ug/l	99
85) sec-Butylbenzene	13.251	105	229480	20.606	ug/l	100
86) p-Isopropyltoluene	13.367	119	189974	20.440	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	96956	20.065	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	97296	20.137	ug/l	99
89) n-Butylbenzene	13.696	91	174453	20.418	ug/l	99
90) Hexachloroethane	13.958	117	37768	20.123	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	88352	20.627	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7578	23.068	ug/l	90
93) 1,2,4-Trichlorobenzene	15.007	180	51264	21.578	ug/l	99
94) Hexachlorobutadiene	15.111	225	31939	21.627	ug/l	99
95) Naphthalene	15.239	128	101905	22.836	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	44858	22.032	ug/l	99

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

