

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110421\
 Data File : VY006622.D
 Acq On : 04 Nov 2021 16:17
 Operator : SY/MD
 Sample : VY1104SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1104SBS01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/08/2021
 Supervised By :Mahesh Dadoda 11/11/2021

Quant Time: Nov 05 13:58:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102221S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 23 06:59:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	148570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	241149	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	219893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	107161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	104170	56.978	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.960%			
35) Dibromofluoromethane	7.728	113	77131	57.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.780%			
50) Toluene-d8	10.185	98	321349	56.399	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.800%			
62) 4-Bromofluorobenzene	12.483	95	110347	57.491	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 114.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	24698	17.984	ug/l	100
3) Chloromethane	2.119	50	35654	19.234	ug/l	98
4) Vinyl Chloride	2.259	62	39145	18.908	ug/l	99
5) Bromomethane	2.649	94	23365	16.940	ug/l	97
6) Chloroethane	2.802	64	21348	17.462	ug/l	93
7) Trichlorofluoromethane	3.137	101	51363	19.539	ug/l	96
8) Diethyl Ether	3.540	74	18572	21.572	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.911	101	28423	21.237	ug/l	97
10) Methyl Iodide	4.106	142	25964	21.007	ug/l	96
11) Tert butyl alcohol	4.966	59	16552	99.657	ug/l	98
12) 1,1-Dichloroethene	3.887	96	27882	20.787	ug/l	98
13) Acrolein	3.741	56	11710	101.984	ug/l	99
14) Allyl chloride	4.491	41	65649	23.780	ug/l	93
15) Acrylonitrile	5.173	53	53929	111.235	ug/l	100
16) Acetone	3.954	43	55815	106.024	ug/l	96
17) Carbon Disulfide	4.204	76	82246	18.695	ug/l	99
18) Methyl Acetate	4.484	43	39263	23.000	ug/l	97
19) Methyl tert-butyl Ether	5.234	73	93476	21.737	ug/l	94
20) Methylene Chloride	4.728	84	42168	23.683	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	31479	20.695	ug/l	98
22) Diisopropyl ether	6.131	45	137749	25.036	ug/l	95
23) Vinyl Acetate	6.070	43	394363	117.845	ug/l	96
24) 1,1-Dichloroethane	6.033	63	66509	23.118	ug/l	96
25) 2-Butanone	6.990	43	80374	116.538	ug/l	94
26) 2,2-Dichloropropane	6.990	77	58344	21.321	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	37141	21.389	ug/l	94
28) Bromochloromethane	7.344	49	32069	27.473	ug/l	89
29) Tetrahydrofuran	7.356	42	50822	120.110	ug/l	92
30) Chloroform	7.514	83	64290	21.639	ug/l	96
31) Cyclohexane	7.789	56	63502	21.455	ug/l	94
32) 1,1,1-Trichloroethane	7.716	97	55967	20.400	ug/l	98
36) 1,1-Dichloropropene	7.929	75	48698	20.438	ug/l	98
37) Ethyl Acetate	7.082	43	34260	22.720	ug/l	99
38) Carbon Tetrachloride	7.911	117	48822	18.574	ug/l	98
39) Methylcyclohexane	9.185	83	55614	19.174	ug/l	94
40) Benzene	8.167	78	141458	20.815	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	13707m	16.019	ug/l	
42) 1,2-Dichloroethane	8.246	62	47352	19.512	ug/l	98
43) Isopropyl Acetate	8.276	43	66021	22.569	ug/l	98
44) Trichloroethene	8.947	130	35877	20.470	ug/l	96
45) 1,2-Dichloropropane	9.221	63	38194	22.690	ug/l	100
46) Dibromomethane	9.307	93	19458	21.059	ug/l	95
47) Bromodichloromethane	9.502	83	49914	20.765	ug/l	94
48) Methyl methacrylate	9.295	41	29317	21.623	ug/l	95
49) 1,4-Dioxane	9.295	88	4570	364.307	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	171664	111.944	ug/l	100
52) Toluene	10.246	92	84840	19.897	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	53814	20.782	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	58866	20.982	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	26863	21.027	ug/l	93
56) Ethyl methacrylate	10.514	69	40810	20.677	ug/l	94
57) 1,3-Dichloropropane	10.794	76	49167	21.176	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.788	63	108595	120.612	ug/l	95
59) 2-Hexanone	10.837	43	123535	111.307	ug/l	100
60) Dibromochloromethane	10.989	129	31901	20.244	ug/l	94
61) 1,2-Dibromoethane	11.093	107	25328	21.057	ug/l	96
64) Tetrachloroethene	10.721	164	39106	20.339	ug/l	94
65) Chlorobenzene	11.520	112	87554	20.459	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	33058	20.520	ug/l	98
67) Ethyl Benzene	11.593	91	167149	20.512	ug/l	100
68) m/p-Xylenes	11.709	106	122704	40.027	ug/l	98
69) o-Xylene	12.032	106	59855	20.462	ug/l	100
70) Styrene	12.044	104	101191	20.233	ug/l	99
71) Bromoform	12.209	173	19919	19.560	ug/l #	100
73) Isopropylbenzene	12.331	105	160766	21.447	ug/l	98
74) N-amyl acetate	12.148	43	57700	23.204	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	28630	22.061	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	28993m	26.255	ug/l	
77) Bromobenzene	12.611	156	36351	20.583	ug/l	91
78) n-propylbenzene	12.672	91	203794	21.999	ug/l	97
79) 2-Chlorotoluene	12.757	91	113440	22.119	ug/l	96
80) 1,3,5-Trimethylbenzene	12.818	105	136156	21.692	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	11803	21.943	ug/l	97
82) 4-Chlorotoluene	12.855	91	116943	21.883	ug/l	99
83) tert-Butylbenzene	13.074	119	117363	21.759	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	133260	21.233	ug/l	98
85) sec-Butylbenzene	13.257	105	175915	21.721	ug/l	99
86) p-Isopropyltoluene	13.373	119	143570	20.779	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	73056	20.611	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	71838	20.613	ug/l	98
89) n-Butylbenzene	13.696	91	144239	22.192	ug/l	98
90) Hexachloroethane	13.964	117	27704	22.201	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	63795	20.519	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	5525	20.054	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	39415	19.204	ug/l	99
94) Hexachlorobutadiene	15.111	225	26067	19.817	ug/l	99
95) Naphthalene	15.239	128	72496	18.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	33428	18.599	ug/l	99

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

