

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021622\
 Data File : VY007511.D
 Acq On : 16 Feb 2022 15:25
 Operator : SY/MD
 Sample : VY0216SBS02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0216SBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 02:57:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	126416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	205370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	179463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67937	48.676	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.360%		
35) Dibromofluoromethane	7.722	113	66184	51.102	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	102.200%		
50) Toluene-d8	10.179	98	247289	50.272	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.540%		
62) 4-Bromofluorobenzene	12.483	95	83236	49.904	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	33624	24.044	ug/l	95
3) Chloromethane	2.119	50	22419	15.639	ug/l	92
4) Vinyl Chloride	2.259	62	20205	14.360	ug/l	99
5) Bromomethane	2.656	94	17645	19.173	ug/l	94
6) Chloroethane	2.796	64	15544	18.669	ug/l	93
7) Trichlorofluoromethane	3.131	101	59218	22.142	ug/l	99
8) Diethyl Ether	3.534	74	15695	20.305	ug/l	80
9) 1,1,2-Trichlorotrifluo...	3.905	101	33071	22.489	ug/l	92
10) Methyl Iodide	4.101	142	38442	21.177	ug/l	93
11) Tert butyl alcohol	4.960	59	10229	93.691	ug/l #	93
12) 1,1-Dichloroethene	3.875	96	29421	21.434	ug/l	82
13) Acrolein	3.735	56	11181	101.981	ug/l	96
14) Allyl chloride	4.491	41	39078	20.255	ug/l #	89
15) Acrylonitrile	5.167	53	30681	90.164	ug/l	98
16) Acetone	3.948	43	26610	71.862	ug/l #	87
17) Carbon Disulfide	4.204	76	84005	21.247	ug/l	99
18) Methyl Acetate	4.479	43	14393	17.293	ug/l #	82
19) Methyl tert-butyl Ether	5.228	73	75529	19.840	ug/l	93
20) Methylene Chloride	4.722	84	31779	20.939	ug/l #	82
21) trans-1,2-Dichloroethene	5.228	96	31451	20.970	ug/l	86
22) Diisopropyl ether	6.125	45	80802	19.921	ug/l #	92
23) Vinyl Acetate	6.064	43	240451	92.920	ug/l #	89
24) 1,1-Dichloroethane	6.021	63	52858	20.851	ug/l	99
25) 2-Butanone	6.990	43	37589	81.986	ug/l #	85
26) 2,2-Dichloropropane	6.984	77	53593	21.098	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	35282	21.105	ug/l	85
28) Bromochloromethane	7.338	49	17065	17.564	ug/l #	68
29) Tetrahydrofuran	7.350	42	23818	88.526	ug/l #	82
30) Chloroform	7.508	83	57901	21.159	ug/l	100
31) Cyclohexane	7.789	56	50692	20.538	ug/l #	84
32) 1,1,1-Trichloroethane	7.704	97	57009	21.876	ug/l	94
36) 1,1-Dichloropropene	7.923	75	44667	21.287	ug/l	98
37) Ethyl Acetate	7.076	43	17093	18.030	ug/l #	93
38) Carbon Tetrachloride	7.905	117	52251	21.915	ug/l	94
39) Methylcyclohexane	9.185	83	58422	21.445	ug/l	87
40) Benzene	8.161	78	119155	20.653	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11522m	18.721	ug/l	
42) 1,2-Dichloroethane	8.240	62	36025	20.434	ug/l	91
43) Isopropyl Acetate	8.271	43	33554	17.426	ug/l #	86
44) Trichloroethene	8.941	130	35939	21.959	ug/l	96
45) 1,2-Dichloropropane	9.222	63	27461	20.019	ug/l	93
46) Dibromomethane	9.313	93	16532	19.407	ug/l	99
47) Bromodichloromethane	9.496	83	42204	20.401	ug/l	96
48) Methyl methacrylate	9.295	41	15632	18.320	ug/l #	85
49) 1,4-Dioxane	9.301	88	3552	387.341	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	83254	87.060	ug/l	89
52) Toluene	10.246	92	77917	21.062	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	43245	20.022	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	49310	20.459	ug/l #	87
55) 1,1,2-Trichloroethane	10.648	97	22776	20.159	ug/l	95
56) Ethyl methacrylate	10.514	69	28709	18.896	ug/l #	82
57) 1,3-Dichloropropane	10.794	76	38335	19.702	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	68860	86.982	ug/l #	89
59) 2-Hexanone	10.837	43	57064	82.654	ug/l	88
60) Dibromochloromethane	10.990	129	29820	20.930	ug/l	98
61) 1,2-Dibromoethane	11.093	107	22394	19.879	ug/l	98
64) Tetrachloroethene	10.721	164	31588	22.319	ug/l	97
65) Chlorobenzene	11.520	112	82801	21.065	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	32170	21.670	ug/l	99
67) Ethyl Benzene	11.593	91	154758	21.037	ug/l	96
68) m/p-Xylenes	11.703	106	117727	42.285	ug/l	99
69) o-Xylene	12.032	106	56521	21.455	ug/l	97
70) Styrene	12.044	104	91437	21.110	ug/l	98
71) Bromoform	12.209	173	16472	20.146	ug/l #	97
73) Isopropylbenzene	12.331	105	155382	21.653	ug/l	99
74) N-amyl acetate	12.148	43	29384	18.087	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.587	83	23269	18.931	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	16033m	17.131	ug/l	
77) Bromobenzene	12.611	156	32279	20.947	ug/l	95
78) n-propylbenzene	12.672	91	183927	21.300	ug/l	99
79) 2-Chlorotoluene	12.758	91	100192	21.047	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	128483	21.616	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	8559	19.008	ug/l	87
82) 4-Chlorotoluene	12.855	91	102447	20.993	ug/l	100
83) tert-Butylbenzene	13.081	119	114391	22.019	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	128745	22.338	ug/l	100
85) sec-Butylbenzene	13.251	105	164220	21.444	ug/l	100
86) p-Isopropyltoluene	13.373	119	138298	21.925	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	63494	21.164	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	62762	21.084	ug/l	98
89) n-Butylbenzene	13.696	91	129442	21.579	ug/l	99
90) Hexachloroethane	13.965	117	25937	21.518	ug/l	84
91) 1,2-Dichlorobenzene	13.739	146	54842	20.756	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3621	17.352	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	33347	21.082	ug/l	97
94) Hexachlorobutadiene	15.111	225	20276	22.100	ug/l	99
95) Naphthalene	15.239	128	67247	19.513	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	27793	20.318	ug/l	98

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

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