

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020222\
 Data File : VY007355.D
 Acq On : 02 Feb 2022 15:27
 Operator : SY/MD
 Sample : VY0202SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0202SBS01

Quant Time: Feb 03 04:42:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/07/2022

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	128144	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	217635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	189599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75498	51.221	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.440%			
35) Dibromofluoromethane	7.716	113	70221	50.247	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.500%			
50) Toluene-d8	10.179	98	258516	50.070	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.140%			
62) 4-Bromofluorobenzene	12.477	95	88966	50.696	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	35780	23.848	ug/l	100
3) Chloromethane	2.113	50	39636	22.243	ug/l	93
4) Vinyl Chloride	2.253	62	38500	21.761	ug/l	93
5) Bromomethane	2.649	94	27097	25.286	ug/l	97
6) Chloroethane	2.796	64	23550	21.674	ug/l	98
7) Trichlorofluoromethane	3.125	101	63115	22.015	ug/l	96
8) Diethyl Ether	3.527	74	18522	21.765	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.899	101	35330	21.881	ug/l	94
10) Methyl Iodide	4.088	142	33033	18.977	ug/l	94
11) Tert butyl alcohol	4.948	59	21603	98.375	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	32830	22.012	ug/l	90
13) Acrolein	3.729	56	19983	100.920	ug/l	100
14) Allyl chloride	4.478	41	49404	21.566	ug/l #	95
15) Acrylonitrile	5.161	53	39926	99.859	ug/l	99
16) Acetone	3.948	43	42421	88.616	ug/l	98
17) Carbon Disulfide	4.198	76	102669	21.927	ug/l	99
18) Methyl Acetate	4.478	43	18222	20.323	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	87535	20.832	ug/l	94
20) Methylene Chloride	4.716	84	35162	21.348	ug/l	87
21) trans-1,2-Dichloroethene	5.222	96	36414	22.069	ug/l	86
22) Diisopropyl ether	6.118	45	102820	21.421	ug/l	97
23) Vinyl Acetate	6.057	43	325080	103.844	ug/l #	94
24) 1,1-Dichloroethane	6.021	63	62232	21.467	ug/l	99
25) 2-Butanone	6.990	43	55249	95.525	ug/l #	87
26) 2,2-Dichloropropane	6.978	77	59560	21.471	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	38785	21.281	ug/l	92
28) Bromochloromethane	7.332	49	21936	19.352	ug/l	90
29) Tetrahydrofuran	7.350	42	33786	101.091	ug/l	90
30) Chloroform	7.508	83	64948	21.537	ug/l	98
31) Cyclohexane	7.789	56	61642	21.432	ug/l	89
32) 1,1,1-Trichloroethane	7.703	97	60473	21.576	ug/l	96
36) 1,1-Dichloropropene	7.917	75	52707	21.573	ug/l	100
37) Ethyl Acetate	7.076	43	23342	19.217	ug/l	95
38) Carbon Tetrachloride	7.905	117	53784	20.953	ug/l	98
39) Methylcyclohexane	9.185	83	65630	21.390	ug/l	91
40) Benzene	8.161	78	137533	21.237	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	12050m	19.964	ug/l	
42) 1,2-Dichloroethane	8.240	62	40973	20.813	ug/l	95
43) Isopropyl Acetate	8.270	43	45092	19.851	ug/l #	92
44) Trichloroethene	8.935	130	37449	21.387	ug/l	97
45) 1,2-Dichloropropane	9.215	63	32971	20.647	ug/l	94
46) Dibromomethane	9.307	93	19561	20.589	ug/l	91
47) Bromodichloromethane	9.496	83	47548	20.696	ug/l	99
48) Methyl methacrylate	9.295	41	20603	20.056	ug/l	89
49) 1,4-Dioxane	9.295	88	3764	361.683	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	113283	98.331	ug/l	91
52) Toluene	10.246	92	87417	21.424	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	49319	20.549	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	57099	21.240	ug/l #	83
55) 1,1,2-Trichloroethane	10.642	97	26455	21.202	ug/l	96
56) Ethyl methacrylate	10.508	69	35296	20.366	ug/l #	83
57) 1,3-Dichloropropane	10.788	76	45695	20.655	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.782	63	89717	99.517	ug/l	97
59) 2-Hexanone	10.831	43	80621	95.989	ug/l	91
60) Dibromochloromethane	10.983	129	31339	20.174	ug/l	98
61) 1,2-Dibromoethane	11.087	107	25307	20.500	ug/l	99
64) Tetrachloroethene	10.721	164	32725	21.994	ug/l	94
65) Chlorobenzene	11.514	112	88508	20.985	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	32596	20.702	ug/l	98
67) Ethyl Benzene	11.593	91	168325	21.031	ug/l	99
68) m/p-Xylenes	11.703	106	125370	42.293	ug/l	99
69) o-Xylene	12.026	106	59172	21.113	ug/l	100
70) Styrene	12.044	104	96721	20.935	ug/l	98
71) Bromoform	12.209	173	17811	20.503	ug/l #	98
73) Isopropylbenzene	12.331	105	164150	21.120	ug/l	98
74) N-amyl acetate	12.142	43	38145	19.828	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	27692	19.510	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	20517m	20.294	ug/l	
77) Bromobenzene	12.605	156	33946	20.735	ug/l	100
78) n-propylbenzene	12.666	91	197406	20.970	ug/l	99
79) 2-Chlorotoluene	12.757	91	110154	21.134	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	133638	21.077	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	10132	20.078	ug/l	88
82) 4-Chlorotoluene	12.855	91	111775	20.880	ug/l	98
83) tert-Butylbenzene	13.074	119	117525	21.292	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	131429	21.053	ug/l	99
85) sec-Butylbenzene	13.251	105	175044	21.143	ug/l	98
86) p-Isopropyltoluene	13.367	119	144250	21.389	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	66192	20.853	ug/l	96
88) 1,4-Dichlorobenzene	13.446	146	65761	20.783	ug/l	97
89) n-Butylbenzene	13.696	91	139755	21.530	ug/l	99
90) Hexachloroethane	13.958	117	26504	20.795	ug/l	78
91) 1,2-Dichlorobenzene	13.733	146	59274	21.215	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4410	19.120	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	33457	20.221	ug/l	96
94) Hexachlorobutadiene	15.111	225	19186	20.946	ug/l	99
95) Naphthalene	15.233	128	68556	19.938	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	27434	19.642	ug/l	95

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

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