

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052622\
 Data File : VY009109.D
 Acq On : 26 May 2022 11:28
 Operator : KP/MD
 Sample : VY0526SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0526SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/27/2022
 Supervised By :Mahesh Dadoda 05/27/2022

Quant Time: May 27 03:22:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	91777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	151011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	145091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	77523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	43917	46.495	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.980%		
35) Dibromofluoromethane	7.716	113	47122	50.181	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.360%		
50) Toluene-d8	10.179	98	147642	42.618	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	85.240%		
62) 4-Bromofluorobenzene	12.483	95	65725	47.032	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	94.060%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	17219	20.513	ug/l	99
3) Chloromethane	2.113	50	27637	22.982	ug/l	94
4) Vinyl Chloride	2.247	62	42220	23.697	ug/l	98
5) Bromomethane	2.631	94	44119	25.262	ug/l	96
6) Chloroethane	2.790	64	30102	23.849	ug/l	99
7) Trichlorofluoromethane	3.125	101	33417	22.086	ug/l	99
8) Diethyl Ether	3.522	74	10137	21.427	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.906	101	20691	22.251	ug/l	92
10) Methyl Iodide	4.088	142	17496	18.221	ug/l	90
11) Tert butyl alcohol	4.954	59	9957	103.926	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	18505	21.437	ug/l	82
13) Acrolein	3.723	56	3885	123.192	ug/l	95
14) Allyl chloride	4.479	41	25008	19.223	ug/l #	82
15) Acrylonitrile	5.161	53	27131	102.423	ug/l	97
16) Acetone	3.948	43	21636	110.042	ug/l	97
17) Carbon Disulfide	4.192	76	56726	20.114	ug/l	98
18) Methyl Acetate	4.479	43	13054	21.321	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	51140	19.738	ug/l	94
20) Methylene Chloride	4.716	84	26413	19.053	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	21897	19.763	ug/l #	77
22) Diisopropyl ether	6.119	45	61701	19.742	ug/l #	91
23) Vinyl Acetate	6.058	43	202462	97.931	ug/l #	91
24) 1,1-Dichloroethane	6.021	63	38826	20.770	ug/l	99
25) 2-Butanone	6.984	43	34903	99.389	ug/l #	85
26) 2,2-Dichloropropane	6.972	77	36681	21.302	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	24884	19.923	ug/l	90
28) Bromochloromethane	7.332	49	14053	21.902	ug/l	89
29) Tetrahydrofuran	7.344	42	22975	96.312	ug/l #	87
30) Chloroform	7.509	83	40827	20.233	ug/l	100
31) Cyclohexane	7.783	56	35541	19.234	ug/l	92
32) 1,1,1-Trichloroethane	7.698	97	37036	20.230	ug/l	97
36) 1,1-Dichloropropene	7.917	75	32089	20.080	ug/l	99
37) Ethyl Acetate	7.064	43	16499	19.903	ug/l	97
38) Carbon Tetrachloride	7.893	117	32758	19.595	ug/l	94
39) Methylcyclohexane	9.185	83	39556	19.176	ug/l #	86
40) Benzene	8.161	78	91787	19.918	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.314	41	8190	19.146	ug/l #	47
42) 1,2-Dichloroethane	8.234	62	26994	19.949	ug/l	94
43) Isopropyl Acetate	8.271	43	30248	19.624	ug/l #	92
44) Trichloroethene	8.941	130	23423	19.196	ug/l	96
45) 1,2-Dichloropropane	9.216	63	22368	20.215	ug/l	90
46) Dibromomethane	9.301	93	13756	19.551	ug/l	92
47) Bromodichloromethane	9.496	83	32424	20.165	ug/l	100
48) Methyl methacrylate	9.295	41	11983	17.410	ug/l #	71
49) 1,4-Dioxane	9.301	88	3369	358.202	ug/l	85
51) 4-Methyl-2-Pentanone	10.069	43	82250	96.418	ug/l	93
52) Toluene	10.240	92	60261	18.712	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	31703	18.566	ug/l	96
54) cis-1,3-Dichloropropene	9.929	75	36639	19.960	ug/l	91
55) 1,1,2-Trichloroethane	10.642	97	18231	18.521	ug/l	94
56) Ethyl methacrylate	10.508	69	21594	17.159	ug/l	90
57) 1,3-Dichloropropane	10.789	76	31961	19.905	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	54389	99.896	ug/l	98
59) 2-Hexanone	10.831	43	55629	95.245	ug/l	92
60) Dibromochloromethane	10.984	129	21969	18.411	ug/l	100
61) 1,2-Dibromoethane	11.087	107	18242	18.702	ug/l	98
64) Tetrachloroethene	10.715	164	19571	18.532	ug/l	97
65) Chlorobenzene	11.514	112	63568	19.089	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	23464	19.242	ug/l	96
67) Ethyl Benzene	11.593	91	114995	19.161	ug/l	97
68) m/p-Xylenes	11.703	106	92186	37.839	ug/l	91
69) o-Xylene	12.032	106	41791	18.472	ug/l	92
70) Styrene	12.044	104	69915	17.970	ug/l	95
71) Bromoform	12.203	173	14066	17.401	ug/l #	99
73) Isopropylbenzene	12.331	105	111694	19.268	ug/l	99
74) N-amyl acetate	12.142	43	27822	20.803	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	12.581	83	23869	19.989	ug/l	98
76) 1,2,3-Trichloropropane	12.630	75	16877m	20.273	ug/l	
77) Bromobenzene	12.611	156	25998	19.348	ug/l	96
78) n-propylbenzene	12.672	91	145765	21.765	ug/l	98
79) 2-Chlorotoluene	12.758	91	75620	19.575	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	94237	19.396	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.374	75	7621	18.789	ug/l	90
82) 4-Chlorotoluene	12.855	91	80341	19.444	ug/l	99
83) tert-Butylbenzene	13.075	119	81819	18.981	ug/l	93
84) 1,2,4-Trimethylbenzene	13.123	105	95078	19.712	ug/l	97
85) sec-Butylbenzene	13.252	105	132481	20.088	ug/l	97
86) p-Isopropyltoluene	13.367	119	107110	19.475	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	54376	18.970	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	54844	19.045	ug/l	98
89) n-Butylbenzene	13.697	91	104645	20.798	ug/l	97
90) Hexachloroethane	13.959	117	20999	20.374	ug/l	79
91) 1,2-Dichlorobenzene	13.739	146	48201	19.050	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3608	19.462	ug/l	86
93) 1,2,4-Trichlorobenzene	15.007	180	26211	18.875	ug/l	99
94) Hexachlorobutadiene	15.111	225	15159	20.029	ug/l	99
95) Naphthalene	15.239	128	49941	17.902	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	21975	18.211	ug/l	98

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

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