

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110121\
 Data File : VY006547.D
 Acq On : 01 Nov 2021 12:59
 Operator : SY/MD
 Sample : VY1101SBSD01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1101SBSD01

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/02/2021
 Supervised By :Semsettin Yesilyurt 11/03/2021

Quant Time: Nov 01 14:56:01 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	7.795	168	165916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	260609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	238429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105052	51.453	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.900%			
35) Dibromofluoromethane	7.722	113	77587	53.414	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.179	98	332420	53.985	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.980%			
62) 4-Bromofluorobenzene	12.483	95	111640	53.822	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26069	16.998	ug/l	96
3) Chloromethane	2.119	50	37197	17.968	ug/l	98
4) Vinyl Chloride	2.253	62	42439	18.356	ug/l	97
5) Bromomethane	2.643	94	28568	18.547	ug/l	97
6) Chloroethane	2.796	64	26271	19.243	ug/l	94
7) Trichlorofluoromethane	3.131	101	55773	18.998	ug/l	97
8) Diethyl Ether	3.534	74	19214	19.985	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.905	101	30390	20.333	ug/l	97
10) Methyl Iodide	4.094	142	25613	19.146	ug/l	97
11) Tert butyl alcohol	4.954	59	18877	101.773	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	29668	19.806	ug/l	98
13) Acrolein	3.735	56	12674	98.840	ug/l	96
14) Allyl chloride	4.485	41	66717	21.640	ug/l	94
15) Acrylonitrile	5.167	53	53580	98.961	ug/l	100
16) Acetone	3.948	43	52584	89.444	ug/l	97
17) Carbon Disulfide	4.198	76	88488	18.011	ug/l	98
18) Methyl Acetate	4.479	43	40154	21.063	ug/l	94
19) Methyl tert-butyl Ether	5.228	73	93577	19.486	ug/l	99
20) Methylene Chloride	4.722	84	36163	17.170	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	32569	19.173	ug/l	97
22) Diisopropyl ether	6.125	45	140159	22.811	ug/l	97
23) Vinyl Acetate	6.070	43	390256	104.426	ug/l	100
24) 1,1-Dichloroethane	6.027	63	68722	21.389	ug/l	99
25) 2-Butanone	6.990	43	77326	100.397	ug/l	99
26) 2,2-Dichloropropane	6.984	77	60467	19.787	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	37899	19.543	ug/l	94
28) Bromochloromethane	7.338	49	31793	24.389	ug/l	89
29) Tetrahydrofuran	7.356	42	50015	105.845	ug/l	94
30) Chloroform	7.515	83	65229	19.659	ug/l	99
31) Cyclohexane	7.789	56	67588	20.448	ug/l	94
32) 1,1,1-Trichloroethane	7.704	97	58038	18.944	ug/l	98
36) 1,1-Dichloropropene	7.923	75	50678	19.681	ug/l	98
37) Ethyl Acetate	7.082	43	34000	20.864	ug/l	99
38) Carbon Tetrachloride	7.905	117	51351	18.077	ug/l	97
39) Methylcyclohexane	9.185	83	58951	18.806	ug/l	94
40) Benzene	8.167	78	143088	19.483	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	17912m	19.370	ug/l	
42) 1,2-Dichloroethane	8.240	62	48496	18.491	ug/l	97
43) Isopropyl Acetate	8.277	43	62879	19.890	ug/l	99
44) Trichloroethene	8.941	130	36714	19.383	ug/l	98
45) 1,2-Dichloropropane	9.222	63	39052	21.467	ug/l	100
46) Dibromomethane	9.307	93	19491	19.519	ug/l	96
47) Bromodichloromethane	9.502	83	50254	19.346	ug/l	99
48) Methyl methacrylate	9.295	41	28988	19.784	ug/l	97
49) 1,4-Dioxane	9.301	88	4521	333.489	ug/l	89
51) 4-Methyl-2-Pentanone	10.075	43	169277	102.144	ug/l	99
52) Toluene	10.246	92	86931	18.865	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	53818	19.232	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	61006	20.121	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	27231	19.723	ug/l	97
56) Ethyl methacrylate	10.508	69	41173	19.303	ug/l	97
57) 1,3-Dichloropropane	10.788	76	49266	19.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	108074	111.070	ug/l	97
59) 2-Hexanone	10.831	43	119797	99.879	ug/l	100
60) Dibromochloromethane	10.990	129	31272	18.363	ug/l	99
61) 1,2-Dibromoethane	11.087	107	24941	19.187	ug/l	99
64) Tetrachloroethene	10.721	164	42038	20.164	ug/l	97
65) Chlorobenzene	11.514	112	90321	19.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	33161	18.984	ug/l	98
67) Ethyl Benzene	11.593	91	171682	19.430	ug/l	99
68) m/p-Xylenes	11.703	106	127112	38.241	ug/l	99
69) o-Xylene	12.032	106	61767	19.474	ug/l	99
70) Styrene	12.044	104	102211	18.848	ug/l	99
71) Bromoform	12.209	173	19998	18.111	ug/l	99
73) Isopropylbenzene	12.331	105	164079	19.326	ug/l	100
74) N-amyl acetate	12.142	43	57122	20.282	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	28002	19.051	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	27233m	21.774	ug/l	
77) Bromobenzene	12.611	156	36508	18.251	ug/l	91
78) n-propylbenzene	12.672	91	207584	19.784	ug/l	99
79) 2-Chlorotoluene	12.758	91	116459	20.049	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	141699	19.932	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	11740	19.271	ug/l	94
82) 4-Chlorotoluene	12.855	91	119866	19.804	ug/l	99
83) tert-Butylbenzene	13.075	119	123908	20.283	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	139108	19.570	ug/l	99
85) sec-Butylbenzene	13.251	105	183938	20.052	ug/l	99
86) p-Isopropyltoluene	13.367	119	154282	19.715	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	77427	19.286	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	76310	19.332	ug/l	98
89) n-Butylbenzene	13.696	91	149257	20.276	ug/l	98
90) Hexachloroethane	13.959	117	28059	19.853	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	68833	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5658	18.132	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	45375	19.520	ug/l	99
94) Hexachlorobutadiene	15.111	225	30174	20.253	ug/l	97
95) Naphthalene	15.239	128	80605	17.715	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38713	19.017	ug/l	100

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

