

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010527.D
 Acq On : 16 Sep 2022 11:47
 Operator : KP/MD
 Sample : VY0916SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0916SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/19/2022
 Supervised By :Mahesh Dadoda 09/19/2022

Quant Time: Sep 17 00:27:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090922S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 09 17:08:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	223943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	350357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	165680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	113180	50.180	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.360%	
35) Dibromofluoromethane	7.716	113	112909	45.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 90.760%	
50) Toluene-d8	10.179	98	411755	51.059	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.483	95	146950	45.407	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.820%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	40088	23.701	ug/l	100
3) Chloromethane	2.113	50	53592	21.301	ug/l	96
4) Vinyl Chloride	2.247	62	66480	21.418	ug/l	97
5) Bromomethane	2.637	94	48848	22.463	ug/l	99
6) Chloroethane	2.784	64	46868	22.574	ug/l	100
7) Trichlorofluoromethane	3.119	101	85312	21.698	ug/l	96
8) Diethyl Ether	3.521	74	26631	20.913	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	49671	21.577	ug/l	95
10) Methyl Iodide	4.082	142	58468	20.524	ug/l	91
11) Tert butyl alcohol	4.942	59	34955	127.709	ug/l	96
12) 1,1-Dichloroethene	3.869	96	46031	21.314	ug/l	82
13) Acrolein	3.729	56	16186	75.223	ug/l	96
14) Allyl chloride	4.472	41	65352	21.014	ug/l #	94
15) Acrylonitrile	5.161	53	66444	107.787	ug/l	97
16) Acetone	3.942	43	56436	109.032	ug/l #	86
17) Carbon Disulfide	4.186	76	121364	20.781	ug/l	99
18) Methyl Acetate	4.472	43	36058	22.644	ug/l #	88
19) Methyl tert-butyl Ether	5.216	73	122824	20.594	ug/l	96
20) Methylene Chloride	4.710	84	74962	26.707	ug/l	85
21) trans-1,2-Dichloroethene	5.210	96	51656	21.066	ug/l	87
22) Diisopropyl ether	6.112	45	146956	21.166	ug/l #	94
23) Vinyl Acetate	6.057	43	424567	99.786	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	90554	21.544	ug/l	98
25) 2-Butanone	6.984	43	86926	105.673	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	84264	21.009	ug/l	97
27) cis-1,2-Dichloroethene	6.984	96	59503	20.876	ug/l	90
28) Bromochloromethane	7.332	49	23303	17.292	ug/l #	83
29) Tetrahydrofuran	7.350	42	52690	102.631	ug/l #	82
30) Chloroform	7.502	83	96296	21.598	ug/l	98
31) Cyclohexane	7.783	56	80002	20.996	ug/l	84
32) 1,1,1-Trichloroethane	7.697	97	87237	21.608	ug/l	97
36) 1,1-Dichloropropene	7.917	75	70937	20.824	ug/l	96
37) Ethyl Acetate	7.076	43	36561	20.417	ug/l #	91
38) Carbon Tetrachloride	7.899	117	79837	21.066	ug/l	98
39) Methylcyclohexane	9.179	83	86884	20.456	ug/l	89
40) Benzene	8.155	78	209433	21.357	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	16981m	16.587	ug/l	
42) 1,2-Dichloroethane	8.234	62	61612	21.129	ug/l	92
43) Isopropyl Acetate	8.270	43	62923	19.200	ug/l #	86
44) Trichloroethene	8.941	130	59905	20.753	ug/l	91
45) 1,2-Dichloropropane	9.215	63	51974	21.732	ug/l	97
46) Dibromomethane	9.301	93	30689	21.279	ug/l	98
47) Bromodichloromethane	9.496	83	72334	21.115	ug/l	99
48) Methyl methacrylate	9.289	41	29173	19.821	ug/l #	82
49) 1,4-Dioxane	9.295	88	8115	425.059	ug/l #	89
51) 4-Methyl-2-Pentanone	10.069	43	181896	101.190	ug/l	89
52) Toluene	10.240	92	134417	20.947	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	71717	20.343	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	83758	21.064	ug/l #	85
55) 1,1,2-Trichloroethane	10.642	97	43561	21.233	ug/l	96
56) Ethyl methacrylate	10.508	69	52930	19.645	ug/l #	80
57) 1,3-Dichloropropane	10.788	76	72112	21.140	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	115671	143.915	ug/l	93
59) 2-Hexanone	10.831	43	124297	101.440	ug/l	85
60) Dibromochloromethane	10.983	129	51607	20.585	ug/l	99
61) 1,2-Dibromoethane	11.087	107	40143	20.157	ug/l	97
64) Tetrachloroethene	10.721	164	57418	20.127	ug/l	98
65) Chlorobenzene	11.514	112	145284	20.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	54261	20.698	ug/l	98
67) Ethyl Benzene	11.593	91	258291	20.618	ug/l	99
68) m/p-Xylenes	11.703	106	201077	40.884	ug/l	94
69) o-Xylene	12.026	106	95337	20.301	ug/l	93
70) Styrene	12.044	104	161232	20.285	ug/l	95
71) Bromoform	12.209	173	32056	19.558	ug/l #	99
73) Isopropylbenzene	12.331	105	255939	19.799	ug/l	100
74) N-amyl acetate	12.142	43	55438	18.380	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.581	83	48618	20.105	ug/l	100
76) 1,2,3-Trichloropropane	12.629	75	36585m	20.008	ug/l	
77) Bromobenzene	12.605	156	59684	19.485	ug/l	94
78) n-propylbenzene	12.672	91	302473	19.760	ug/l	98
79) 2-Chlorotoluene	12.757	91	170237	19.798	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	218747	20.056	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	16052	19.491	ug/l	89
82) 4-Chlorotoluene	12.855	91	178698	19.976	ug/l	99
83) tert-Butylbenzene	13.074	119	186107	19.522	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	217118	20.344	ug/l	98
85) sec-Butylbenzene	13.251	105	277269	19.642	ug/l	100
86) p-Isopropyltoluene	13.367	119	232750	19.493	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	119732	19.466	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	119788	19.667	ug/l	98
89) n-Butylbenzene	13.696	91	210942	19.462	ug/l	98
90) Hexachloroethane	13.958	117	42459	18.939	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	106732	19.591	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	8273	20.269	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	63843	18.868	ug/l	98
94) Hexachlorobutadiene	15.111	225	38143	18.683	ug/l	99
95) Naphthalene	15.233	128	126851	19.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	55223	18.696	ug/l	99

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

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