

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091622\
 Data File : VY010526.D
 Acq On : 16 Sep 2022 11:25
 Operator : KP/MD
 Sample : VY0916SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 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 00:27:22 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	229516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	360326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	170750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	115482	49.958	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.920%		
35) Dibromofluoromethane	7.716	113	115330	45.067	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.140%		
50) Toluene-d8	10.179	98	416869	50.263	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.520%		
62) 4-Bromofluorobenzene	12.483	95	148454	44.478	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39154	22.309	ug/l	93
3) Chloromethane	2.113	50	53898	20.902	ug/l	97
4) Vinyl Chloride	2.247	62	67727	21.289	ug/l	98
5) Bromomethane	2.637	94	49186	22.069	ug/l	97
6) Chloroethane	2.784	64	46136	21.682	ug/l	99
7) Trichlorofluoromethane	3.119	101	86433	21.449	ug/l	94
8) Diethyl Ether	3.521	74	27845	21.336	ug/l	78
9) 1,1,2-Trichlorotrifluo...	3.893	101	50686	21.483	ug/l	96
10) Methyl Iodide	4.088	142	56171	19.239	ug/l	92
11) Tert butyl alcohol	4.942	59	29641	98.347	ug/l	100
12) 1,1-Dichloroethene	3.863	96	45256	20.446	ug/l	85
13) Acrolein	3.722	56	17891	81.128	ug/l	99
14) Allyl chloride	4.472	41	65464	20.539	ug/l #	93
15) Acrylonitrile	5.155	53	67904	107.481	ug/l	97
16) Acetone	3.942	43	60748	114.513	ug/l #	87
17) Carbon Disulfide	4.186	76	122699	20.499	ug/l	99
18) Methyl Acetate	4.472	43	37356	22.890	ug/l #	87
19) Methyl tert-butyl Ether	5.216	73	126161	20.640	ug/l	95
20) Methylene Chloride	4.710	84	66483	22.039	ug/l	85
21) trans-1,2-Dichloroethene	5.216	96	51894	20.649	ug/l	84
22) Diisopropyl ether	6.112	45	147488	20.727	ug/l #	96
23) Vinyl Acetate	6.057	43	432680	99.223	ug/l #	91
24) 1,1-Dichloroethane	6.009	63	91747	21.297	ug/l	98
25) 2-Butanone	6.984	43	89929	106.669	ug/l #	83
26) 2,2-Dichloropropane	6.972	77	85013	20.681	ug/l	98
27) cis-1,2-Dichloroethene	6.984	96	60816	20.818	ug/l	87
28) Bromochloromethane	7.325	49	23606	17.091	ug/l #	82
29) Tetrahydrofuran	7.344	42	55251	105.006	ug/l #	83
30) Chloroform	7.502	83	96834	21.191	ug/l	100
31) Cyclohexane	7.783	56	80527	20.621	ug/l	88
32) 1,1,1-Trichloroethane	7.697	97	88417	21.369	ug/l	97
36) 1,1-Dichloropropene	7.917	75	73388	20.948	ug/l	98
37) Ethyl Acetate	7.069	43	39402	21.394	ug/l #	94
38) Carbon Tetrachloride	7.899	117	78591	20.164	ug/l	97
39) Methylcyclohexane	9.179	83	88627	20.289	ug/l	91
40) Benzene	8.155	78	210211	20.844	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.301	41	16833m	15.988	ug/l	
42) 1,2-Dichloroethane	8.234	62	62000	20.673	ug/l	92
43) Isopropyl Acetate	8.270	43	67400	19.997	ug/l #	89
44) Trichloroethene	8.935	130	59846	20.159	ug/l	98
45) 1,2-Dichloropropane	9.215	63	51190	20.812	ug/l	93
46) Dibromomethane	9.301	93	30599	20.629	ug/l	98
47) Bromodichloromethane	9.496	83	72999	20.720	ug/l	98
48) Methyl methacrylate	9.289	41	29802	19.688	ug/l #	82
49) 1,4-Dioxane	9.295	88	8520	433.926	ug/l #	81
51) 4-Methyl-2-Pentanone	10.069	43	189392	102.445	ug/l	89
52) Toluene	10.240	92	135226	20.490	ug/l	96
53) t-1,3-Dichloropropene	10.465	75	73143	20.174	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	83886	20.513	ug/l #	86
55) 1,1,2-Trichloroethane	10.642	97	42923	20.343	ug/l	99
56) Ethyl methacrylate	10.508	69	55732	20.113	ug/l #	79
57) 1,3-Dichloropropane	10.788	76	74143	21.134	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	115242	138.349	ug/l	91
59) 2-Hexanone	10.831	43	128236	101.759	ug/l	85
60) Dibromochloromethane	10.983	129	52273	20.274	ug/l	100
61) 1,2-Dibromoethane	11.087	107	41868	20.441	ug/l	99
64) Tetrachloroethene	10.715	164	58565	19.898	ug/l	97
65) Chlorobenzene	11.514	112	146633	20.080	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	54786	20.256	ug/l	99
67) Ethyl Benzene	11.593	91	256978	19.883	ug/l	97
68) m/p-Xylenes	11.703	106	202762	39.961	ug/l	94
69) o-Xylene	12.026	106	95971	19.809	ug/l	93
70) Styrene	12.044	104	161667	19.715	ug/l	95
71) Bromoform	12.209	173	32785	19.388	ug/l #	100
73) Isopropylbenzene	12.331	105	257814	19.352	ug/l	100
74) N-amyl acetate	12.142	43	57409	18.469	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.581	83	50162	20.128	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	37708m	20.009	ug/l	
77) Bromobenzene	12.605	156	60510	19.168	ug/l	94
78) n-propylbenzene	12.672	91	308832	19.576	ug/l	98
79) 2-Chlorotoluene	12.757	91	172778	19.497	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	221783	19.730	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.379	75	15785	18.598	ug/l	91
82) 4-Chlorotoluene	12.855	91	178698	19.383	ug/l	98
83) tert-Butylbenzene	13.074	119	189694	19.307	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	219173	19.927	ug/l	98
85) sec-Butylbenzene	13.251	105	280280	19.266	ug/l	100
86) p-Isopropyltoluene	13.367	119	235037	19.100	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	119535	18.857	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	118656	18.903	ug/l	98
89) n-Butylbenzene	13.696	91	214246	19.180	ug/l	98
90) Hexachloroethane	13.958	117	45537	19.709	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	106831	19.027	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7940	18.875	ug/l	78
93) 1,2,4-Trichlorobenzene	15.007	180	62996	18.065	ug/l	99
94) Hexachlorobutadiene	15.111	225	38706	18.396	ug/l	100
95) Naphthalene	15.233	128	120564	17.529	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	52683	17.307	ug/l	99

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

