

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083022\
 Data File : VY010224.D
 Acq On : 30 Aug 2022 17:29
 Operator : KP/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 08/31/2022
 Supervised By :Semsettin Yesilyurt 08/31/2022

Quant Time: Aug 31 02:11:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 02:10:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	218110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	352454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	309543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	10971	6.602	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	13.200%#		
35) Dibromofluoromethane	7.710	113	10773	5.816	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	11.640%#		
50) Toluene-d8	10.179	98	42258	6.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	12.960%#		
62) 4-Bromofluorobenzene	12.477	95	15345	5.465	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	10.920%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	7862	4.943	ug/l	99
3) Chloromethane	2.107	50	8306	5.128	ug/l	91
4) Vinyl Chloride	2.241	62	8882	4.880	ug/l	99
5) Bromomethane	2.637	94	8757	5.932	ug/l	99
6) Chloroethane	2.784	64	6084	4.926	ug/l	96
7) Trichlorofluoromethane	3.113	101	17090	5.009	ug/l	95
8) Diethyl Ether	3.521	74	5342	4.810	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.881	101	9555	4.930	ug/l	91
10) Methyl Iodide	4.070	142	9011	3.574	ug/l	90
11) Tert butyl alcohol	4.948	59	5060	27.540	ug/l #	86
12) 1,1-Dichloroethene	3.857	96	9917	5.090	ug/l #	71
13) Acrolein	3.710	56	5456	22.652	ug/l	98
14) Allyl chloride	4.460	41	12774	4.803	ug/l #	90
15) Acrylonitrile	5.149	53	12368	24.375	ug/l	92
16) Acetone	3.936	43	9902	25.645	ug/l #	89
17) Carbon Disulfide	4.180	76	29043	4.954	ug/l	99
18) Methyl Acetate	4.466	43	6339	4.993	ug/l #	80
19) Methyl tert-butyl Ether	5.210	73	23177	4.586	ug/l	98
20) Methylene Chloride	4.692	84	12301	5.411	ug/l #	79
21) trans-1,2-Dichloroethene	5.198	96	10526	4.918	ug/l #	75
22) Diisopropyl ether	6.106	45	25447	4.753	ug/l #	93
23) Vinyl Acetate	6.045	43	76694	22.378	ug/l #	89
24) 1,1-Dichloroethane	6.009	63	16381	4.885	ug/l	97
25) 2-Butanone	6.978	43	20950	31.504	ug/l #	90
26) 2,2-Dichloropropane	6.972	77	17874	5.696	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	13392	5.504	ug/l	86
28) Bromochloromethane	7.319	49	8062	7.105	ug/l #	80
29) Tetrahydrofuran	7.338	42	13188	30.034	ug/l	94
30) Chloroform	7.496	83	21205	5.584	ug/l	94
31) Cyclohexane	7.771	56	20701	6.310	ug/l #	71
32) 1,1,1-Trichloroethane	7.691	97	17986	5.166	ug/l	98
36) 1,1-Dichloropropene	7.905	75	16304	5.304	ug/l	96
37) Ethyl Acetate	7.063	43	9130	5.636	ug/l #	96
38) Carbon Tetrachloride	7.886	117	16737	4.746	ug/l	96
39) Methylcyclohexane	9.179	83	19672	4.995	ug/l	94
40) Benzene	8.155	78	48334	5.325	ug/l	98

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.295	41	4678m	4.020	ug/l	
42) 1,2-Dichloroethane	8.234	62	13498	5.031	ug/l	91
43) Isopropyl Acetate	8.264	43	16526	5.328	ug/l #	91
44) Trichloroethene	8.935	130	13900	4.963	ug/l	98
45) 1,2-Dichloropropane	9.209	63	12120	5.525	ug/l	97
46) Dibromomethane	9.301	93	6898	5.097	ug/l	93
47) Bromodichloromethane	9.490	83	15737	5.022	ug/l	97
48) Methyl methacrylate	9.289	41	6966	5.042	ug/l #	82
49) 1,4-Dioxane	9.301	88	1399	95.339	ug/l	88
51) 4-Methyl-2-Pentanone	10.069	43	43712	26.443	ug/l	95
52) Toluene	10.240	92	29711	5.016	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	15542	4.525	ug/l	97
54) cis-1,3-Dichloropropene	9.923	75	18579	5.037	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	10011	4.855	ug/l	99
56) Ethyl methacrylate	10.508	69	11563	4.312	ug/l #	81
57) 1,3-Dichloropropane	10.788	76	16106	4.737	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.776	63	28731	34.698	ug/l	97
59) 2-Hexanone	10.831	43	28774	22.811	ug/l	92
60) Dibromochloromethane	10.983	129	11886	4.601	ug/l	99
61) 1,2-Dibromoethane	11.087	107	9484	4.663	ug/l	98
64) Tetrachloroethene	10.715	164	13079	4.894	ug/l	96
65) Chlorobenzene	11.514	112	32553	5.103	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	12108	5.029	ug/l	98
67) Ethyl Benzene	11.587	91	53677	4.932	ug/l	98
68) m/p-Xylenes	11.703	106	41805	9.630	ug/l	92
69) o-Xylene	12.026	106	19196	4.751	ug/l	98
70) Styrene	12.044	104	31789	4.693	ug/l	95
71) Bromoform	12.203	173	7448	4.680	ug/l #	99
73) Isopropylbenzene	12.325	105	51258	4.894	ug/l	99
74) N-amyl acetate	12.142	43	13518	4.957	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	11056	5.207	ug/l	98
76) 1,2,3-Trichloropropane	12.629	75	7881m	4.582	ug/l	
77) Bromobenzene	12.605	156	13167	4.919	ug/l	91
78) n-propylbenzene	12.666	91	58955	4.745	ug/l	94
79) 2-Chlorotoluene	12.751	91	35119	4.900	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	42880	4.819	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	3576	4.897	ug/l	84
82) 4-Chlorotoluene	12.849	91	36849	4.901	ug/l	95
83) tert-Butylbenzene	13.075	119	37431	4.757	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	41475	4.746	ug/l	97
85) sec-Butylbenzene	13.251	105	57552	4.972	ug/l	100
86) p-Isopropyltoluene	13.367	119	45407	4.733	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	27664	5.229	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	28486	5.345	ug/l	98
89) n-Butylbenzene	13.696	91	43084	4.851	ug/l	99
90) Hexachloroethane	13.959	117	9728	5.033	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	24137	5.046	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	1853	5.020	ug/l	82
93) 1,2,4-Trichlorobenzene	15.007	180	15336	4.885	ug/l	99
94) Hexachlorobutadiene	15.111	225	10152	5.460	ug/l	99
95) Naphthalene	15.233	128	26076	4.215	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	13561	4.868	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

