

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092922\
 Data File : VY010729.D
 Acq On : 29 Sep 2022 14:29
 Operator : KP/MD
 Sample : VY0929SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0929SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/30/2022
 Supervised By :Mahesh Dadoda 10/05/2022

Quant Time: Sep 30 08:19:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	244813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	385943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	346686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	121403	51.847	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.700%			
35) Dibromofluoromethane	7.716	113	116119	47.144	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.280%			
50) Toluene-d8	10.179	98	442199	48.666	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.477	95	150872	44.353	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	27992	21.400	ug/l	96
3) Chloromethane	2.113	50	41970	22.701	ug/l	94
4) Vinyl Chloride	2.247	62	52611	22.301	ug/l	96
5) Bromomethane	2.637	94	38525	23.696	ug/l	98
6) Chloroethane	2.784	64	38038	22.057	ug/l	94
7) Trichlorofluoromethane	3.119	101	72054	22.399	ug/l	93
8) Diethyl Ether	3.521	74	22992	20.846	ug/l	79
9) 1,1,2-Trichlorotrifluo...	3.893	101	42070	21.731	ug/l	95
10) Methyl Iodide	4.088	142	47349	21.171	ug/l	92
11) Tert butyl alcohol	4.936	59	53095	253.554	ug/l #	92
12) 1,1-Dichloroethene	3.869	96	36939	21.368	ug/l	87
13) Acrolein	3.729	56	8438	77.465	ug/l	97
14) Allyl chloride	4.479	41	56582	21.710	ug/l #	94
15) Acrylonitrile	5.155	53	62180	108.620	ug/l	99
16) Acetone	3.942	43	52267	109.458	ug/l	90
17) Carbon Disulfide	4.186	76	88902	23.949	ug/l	97
18) Methyl Acetate	4.472	43	36508	26.037	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	111574	20.702	ug/l	96
20) Methylene Chloride	4.704	84	65705	18.332	ug/l #	84
21) trans-1,2-Dichloroethene	5.216	96	42361	21.775	ug/l	85
22) Diisopropyl ether	6.112	45	132341	21.511	ug/l #	95
23) Vinyl Acetate	6.057	43	375853	103.417	ug/l #	93
24) 1,1-Dichloroethane	6.015	63	80653	21.843	ug/l	97
25) 2-Butanone	6.978	43	82794	110.851	ug/l	95
26) 2,2-Dichloropropane	6.978	77	78077	21.989	ug/l	99
27) cis-1,2-Dichloroethene	6.978	96	51192	21.122	ug/l	93
28) Bromochloromethane	7.332	49	19314	15.110	ug/l	86
29) Tetrahydrofuran	7.344	42	49712	108.366	ug/l #	84
30) Chloroform	7.502	83	85404	21.379	ug/l	97
31) Cyclohexane	7.783	56	65864	23.110	ug/l #	87
32) 1,1,1-Trichloroethane	7.697	97	76835	21.611	ug/l	97
36) 1,1-Dichloropropene	7.917	75	60454	22.028	ug/l	98
37) Ethyl Acetate	7.069	43	35360	22.307	ug/l #	93
38) Carbon Tetrachloride	7.893	117	68821	21.809	ug/l	95
39) Methylcyclohexane	9.179	83	70254	21.871	ug/l	91
40) Benzene	8.155	78	178332	21.797	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	16517m	20.429	ug/l	
42) 1,2-Dichloroethane	8.234	62	55287	21.945	ug/l	93
43) Isopropyl Acetate	8.271	43	61986	21.333	ug/l #	90
44) Trichloroethene	8.935	130	49736	21.236	ug/l	94
45) 1,2-Dichloropropane	9.215	63	45638	21.563	ug/l	98
46) Dibromomethane	9.301	93	26763	21.532	ug/l	96
47) Bromodichloromethane	9.496	83	66096	21.537	ug/l	97
48) Methyl methacrylate	9.289	41	26451	20.622	ug/l #	80
49) 1,4-Dioxane	9.295	88	7426	406.303	ug/l #	84
51) 4-Methyl-2-Pentanone	10.069	43	175279	106.846	ug/l	90
52) Toluene	10.240	92	114803	21.446	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	64740	20.863	ug/l	98
54) cis-1,3-Dichloropropene	9.923	75	73998	21.388	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	39125	21.401	ug/l	99
56) Ethyl methacrylate	10.508	69	48155	20.332	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	63334	20.914	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	96483	86.543	ug/l	94
59) 2-Hexanone	10.831	43	117397	105.580	ug/l	88
60) Dibromochloromethane	10.983	129	46920	20.972	ug/l	100
61) 1,2-Dibromoethane	11.087	107	36113	21.100	ug/l	99
64) Tetrachloroethene	10.715	164	48137	20.786	ug/l	97
65) Chlorobenzene	11.514	112	126538	21.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	49006	20.983	ug/l	98
67) Ethyl Benzene	11.587	91	220553	20.951	ug/l	100
68) m/p-Xylenes	11.697	106	172132	42.209	ug/l	95
69) o-Xylene	12.026	106	81282	20.443	ug/l	95
70) Styrene	12.038	104	138645	20.527	ug/l	96
71) Bromoform	12.203	173	29939	20.644	ug/l #	100
73) Isopropylbenzene	12.325	105	222577	21.415	ug/l	100
74) N-amyl acetate	12.142	43	51448	20.413	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.581	83	45516	21.491	ug/l	99
76) 1,2,3-Trichloropropane	12.629	75	32669m	20.353	ug/l	
77) Bromobenzene	12.605	156	51805	20.949	ug/l	96
78) n-propylbenzene	12.666	91	266678	21.541	ug/l	99
79) 2-Chlorotoluene	12.751	91	149941	21.256	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	190640	21.708	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	14897	20.636	ug/l	92
82) 4-Chlorotoluene	12.849	91	153014	21.006	ug/l	98
83) tert-Butylbenzene	13.068	119	167180	21.286	ug/l	93
84) 1,2,4-Trimethylbenzene	13.117	105	185892	21.307	ug/l	97
85) sec-Butylbenzene	13.251	105	244034	21.215	ug/l	100
86) p-Isopropyltoluene	13.367	119	202119	21.027	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	102700	20.461	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	103096	20.753	ug/l	99
89) n-Butylbenzene	13.690	91	186939	21.185	ug/l	99
90) Hexachloroethane	13.959	117	40058	21.705	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	92423	20.670	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7691	21.762	ug/l	89
93) 1,2,4-Trichlorobenzene	15.001	180	53326	19.551	ug/l	99
94) Hexachlorobutadiene	15.105	225	33969	20.490	ug/l	100
95) Naphthalene	15.233	128	105479	19.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	44991	18.944	ug/l	97

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

