

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102722\
 Data File : VY011132.D
 Acq On : 27 Oct 2022 12:19
 Operator : KP/MD
 Sample : VY1027SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 10/28/2022
 Supervised By :Mahesh Dadoda 10/31/2022

Quant Time: Oct 28 00:46:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101722S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 01:42:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	225205	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	363240	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	330577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	87578	42.217	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.440%		
35) Dibromofluoromethane	7.710	113	94976	46.767	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.540%		
50) Toluene-d8	10.179	98	318702	42.020	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	84.040%		
62) 4-Bromofluorobenzene	12.477	95	122985	45.500	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	91.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	29241	19.575	ug/l	100
3) Chloromethane	2.113	50	40492	18.894	ug/l	97
4) Vinyl Chloride	2.247	62	46593	19.181	ug/l	97
5) Bromomethane	2.631	94	32666	19.443	ug/l	99
6) Chloroethane	2.784	64	31731	19.548	ug/l	97
7) Trichlorofluoromethane	3.119	101	75424	21.214	ug/l	94
8) Diethyl Ether	3.521	74	27247	20.536	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.887	101	47999	21.523	ug/l	93
10) Methyl Iodide	4.082	142	52861	19.371	ug/l	91
11) Tert butyl alcohol	4.948	59	32746	129.786	ug/l	100
12) 1,1-Dichloroethene	3.863	96	44476	20.819	ug/l	82
13) Acrolein	3.723	56	25962	77.631	ug/l	98
14) Allyl chloride	4.472	41	68596	20.248	ug/l #	85
15) Acrylonitrile	5.155	53	75436	109.077	ug/l	97
16) Acetone	3.942	43	61750	102.503	ug/l #	85
17) Carbon Disulfide	4.186	76	114836	18.336	ug/l	98
18) Methyl Acetate	4.472	43	42715	23.724	ug/l #	89
19) Methyl tert-butyl Ether	5.216	73	125360	21.002	ug/l	94
20) Methylene Chloride	4.710	84	80586	27.904	ug/l #	82
21) trans-1,2-Dichloroethene	5.210	96	50541	20.956	ug/l	87
22) Diisopropyl ether	6.106	45	156298	21.542	ug/l #	96
23) Vinyl Acetate	6.051	43	439186	101.223	ug/l #	92
24) 1,1-Dichloroethane	6.009	63	94543	21.582	ug/l	99
25) 2-Butanone	6.984	43	94433	103.366	ug/l #	83
26) 2,2-Dichloropropane	6.978	77	81788	21.024	ug/l	94
27) cis-1,2-Dichloroethene	6.978	96	58961	21.212	ug/l	89
28) Bromochloromethane	7.332	49	21312	16.283	ug/l	86
29) Tetrahydrofuran	7.344	42	60347	107.364	ug/l #	87
30) Chloroform	7.502	83	97855	22.159	ug/l	99
31) Cyclohexane	7.777	56	76969	19.389	ug/l	91
32) 1,1,1-Trichloroethane	7.698	97	84247	21.704	ug/l	95
36) 1,1-Dichloropropene	7.911	75	70552	20.865	ug/l	98
37) Ethyl Acetate	7.070	43	40067	21.402	ug/l #	93
38) Carbon Tetrachloride	7.899	117	75473	21.622	ug/l	97
39) Methylcyclohexane	9.179	83	80105	19.779	ug/l	95
40) Benzene	8.155	78	212661	21.434	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	18173m	17.913	ug/l	
42) 1,2-Dichloroethane	8.234	62	60477	21.999	ug/l	92
43) Isopropyl Acetate	8.271	43	70554	21.093	ug/l #	90
44) Trichloroethene	8.935	130	56474	21.004	ug/l	97
45) 1,2-Dichloropropane	9.216	63	54693	21.727	ug/l	98
46) Dibromomethane	9.301	93	30516	21.735	ug/l	95
47) Bromodichloromethane	9.490	83	76083	22.487	ug/l	99
48) Methyl methacrylate	9.289	41	31876	21.294	ug/l #	80
49) 1,4-Dioxane	9.295	88	8684	430.480	ug/l #	88
51) 4-Methyl-2-Pentanone	10.069	43	204396	109.571	ug/l	88
52) Toluene	10.240	92	133818	21.711	ug/l	97
53) t-1,3-Dichloropropene	10.465	75	75303	21.424	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	87002	21.630	ug/l #	80
55) 1,1,2-Trichloroethane	10.642	97	45298	22.364	ug/l	99
56) Ethyl methacrylate	10.508	69	57263	21.286	ug/l #	76
57) 1,3-Dichloropropane	10.788	76	76643	22.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.783	63	91971	81.370	ug/l	95
59) 2-Hexanone	10.831	43	138199	107.852	ug/l	84
60) Dibromochloromethane	10.984	129	53635	22.269	ug/l	100
61) 1,2-Dibromoethane	11.087	107	42362	21.840	ug/l	99
64) Tetrachloroethene	10.721	164	55401	21.529	ug/l	97
65) Chlorobenzene	11.514	112	145017	21.367	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	55143	21.951	ug/l	97
67) Ethyl Benzene	11.587	91	254988	21.237	ug/l	99
68) m/p-Xylenes	11.697	106	196797	42.607	ug/l	96
69) o-Xylene	12.026	106	92245	21.032	ug/l	95
70) Styrene	12.044	104	160107	21.544	ug/l	96
71) Bromoform	12.203	173	34825	22.463	ug/l #	97
73) Isopropylbenzene	12.325	105	250727	20.363	ug/l	99
74) N-amyl acetate	12.142	43	61189	19.586	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.581	83	54692	21.165	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	37994m	19.746	ug/l	
77) Bromobenzene	12.605	156	59102	20.535	ug/l	99
78) n-propylbenzene	12.666	91	311571	20.798	ug/l	100
79) 2-Chlorotoluene	12.751	91	174193	20.647	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	215936	21.018	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.374	75	18709	20.912	ug/l #	85
82) 4-Chlorotoluene	12.849	91	182762	20.805	ug/l	100
83) tert-Butylbenzene	13.075	119	185302	20.858	ug/l	94
84) 1,2,4-Trimethylbenzene	13.117	105	215663	21.288	ug/l	99
85) sec-Butylbenzene	13.251	105	279594	20.944	ug/l	100
86) p-Isopropyltoluene	13.367	119	227783	20.568	ug/l	98
87) 1,3-Dichlorobenzene	13.361	146	119209	20.753	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	118675	20.779	ug/l	98
89) n-Butylbenzene	13.690	91	214241	20.702	ug/l	99
90) Hexachloroethane	13.959	117	47113	21.556	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	107726	20.961	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	9349	21.881	ug/l	85
93) 1,2,4-Trichlorobenzene	15.007	180	61363	19.978	ug/l	99
94) Hexachlorobutadiene	15.105	225	38656	21.381	ug/l	99
95) Naphthalene	15.233	128	125489	20.062	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	55093	20.560	ug/l	99

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

