

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102723\
 Data File : VY016098.D
 Acq On : 27 Oct 2023 11:46
 Operator : SY/MD
 Sample : VY1027SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1027SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/30/2023
 Supervised By :Semsettin Yesilyurt 10/30/2023

Quant Time: Oct 30 06:06:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y102623S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 27 04:12:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	184447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	300627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	266888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88760	48.395	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.800%		
35) Dibromofluoromethane	7.716	113	92525	48.753	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.500%		
50) Toluene-d8	10.179	98	347243	49.395	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.477	95	116429	48.282	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	25014	19.650	ug/l	92
3) Chloromethane	2.113	50	31620	20.271	ug/l	100
4) Vinyl Chloride	2.253	62	35206	19.757	ug/l	95
5) Bromomethane	2.637	94	26894	20.305	ug/l	99
6) Chloroethane	2.790	64	24588	20.144	ug/l	99
7) Trichlorofluoromethane	3.125	101	58832	20.631	ug/l	99
8) Diethyl Ether	3.534	74	19175	20.062	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	35162	20.440	ug/l	96
10) Methyl Iodide	4.095	142	42000	19.107	ug/l	97
11) Tert butyl alcohol	4.942	59	25542	109.098	ug/l #	90
12) 1,1-Dichloroethene	3.869	96	31442	19.949	ug/l	88
13) Acrolein	3.729	56	22650	99.154	ug/l	100
14) Allyl chloride	4.479	41	48874	19.837	ug/l	92
15) Acrylonitrile	5.161	53	46659	99.511	ug/l	98
16) Acetone	3.948	43	46506	93.551	ug/l #	85
17) Carbon Disulfide	4.192	76	84104	19.291	ug/l	97
18) Methyl Acetate	4.479	43	35094	19.967	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	90314	20.093	ug/l	97
20) Methylene Chloride	4.716	84	44120	19.203	ug/l	94
21) trans-1,2-Dichloroethene	5.216	96	36902	20.198	ug/l	95
22) Diisopropyl ether	6.125	45	110307	20.475	ug/l	90
23) Vinyl Acetate	6.064	43	289260	100.211	ug/l #	95
24) 1,1-Dichloroethane	6.021	63	65521	20.187	ug/l	98
25) 2-Butanone	6.984	43	66739	99.471	ug/l	94
26) 2,2-Dichloropropane	6.984	77	61444	20.364	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	43454	20.253	ug/l	93
28) Bromochloromethane	7.332	49	27664	20.834	ug/l	93
29) Tetrahydrofuran	7.344	42	39074	101.502	ug/l	89
30) Chloroform	7.509	83	70341	20.515	ug/l	97
31) Cyclohexane	7.783	56	56612	19.620	ug/l	88
32) 1,1,1-Trichloroethane	7.704	97	62412	20.294	ug/l	98
36) 1,1-Dichloropropene	7.917	75	52068	19.682	ug/l	99
37) Ethyl Acetate	7.076	43	27645	20.388	ug/l	95
38) Carbon Tetrachloride	7.905	117	55997	20.016	ug/l	99
39) Methylcyclohexane	9.185	83	61491	19.080	ug/l	91
40) Benzene	8.161	78	150847	20.140	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	15533	21.889	ug/l #	83
42) 1,2-Dichloroethane	8.234	62	43304	20.009	ug/l	92
43) Isopropyl Acetate	8.277	43	50864	20.062	ug/l	93
44) Trichloroethene	8.941	130	41845	20.008	ug/l	96
45) 1,2-Dichloropropane	9.216	63	38893	20.517	ug/l	96
46) Dibromomethane	9.307	93	22541	20.280	ug/l	97
47) Bromodichloromethane	9.496	83	54699	20.348	ug/l	99
48) Methyl methacrylate	9.295	41	23415	20.047	ug/l	89
49) 1,4-Dioxane	9.295	88	5943	427.359	ug/l #	62
51) 4-Methyl-2-Pentanone	10.069	43	139338	104.156	ug/l	92
52) Toluene	10.246	92	97244	20.219	ug/l	95
53) t-1,3-Dichloropropene	10.465	75	54445	19.807	ug/l	98
54) cis-1,3-Dichloropropene	9.929	75	62352	20.058	ug/l #	89
55) 1,1,2-Trichloroethane	10.642	97	31655	20.044	ug/l	95
56) Ethyl methacrylate	10.508	69	40722	20.064	ug/l #	85
57) 1,3-Dichloropropane	10.788	76	53763	20.366	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	101263	100.222	ug/l	95
59) 2-Hexanone	10.831	43	101055	102.547	ug/l	88
60) Dibromochloromethane	10.984	129	39429	20.388	ug/l	99
61) 1,2-Dibromoethane	11.087	107	30510	20.176	ug/l	100
64) Tetrachloroethene	10.721	164	35916	20.336	ug/l	97
65) Chlorobenzene	11.514	112	107064	20.413	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	40200	20.524	ug/l	98
67) Ethyl Benzene	11.593	91	188994	20.288	ug/l	98
68) m/p-Xylenes	11.703	106	147576	40.935	ug/l	94
69) o-Xylene	12.026	106	68432	19.827	ug/l	99
70) Styrene	12.044	104	117155	20.364	ug/l	97
71) Bromoform	12.209	173	23688	19.854	ug/l #	98
73) Isopropylbenzene	12.331	105	187983	20.030	ug/l	99
74) N-amyl acetate	12.142	43	45423	19.849	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.581	83	39534	20.607	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	27317m	20.064	ug/l	
77) Bromobenzene	12.605	156	44615	20.369	ug/l	98
78) n-propylbenzene	12.672	91	229689	20.213	ug/l	100
79) 2-Chlorotoluene	12.758	91	128693	20.221	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	157319	20.190	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	12383	19.764	ug/l	95
82) 4-Chlorotoluene	12.855	91	133551	20.234	ug/l	99
83) tert-Butylbenzene	13.075	119	139748	20.177	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	153933	20.003	ug/l	96
85) sec-Butylbenzene	13.251	105	208425	20.204	ug/l	100
86) p-Isopropyltoluene	13.367	119	172444	20.033	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	89492	20.234	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	89307	20.431	ug/l	98
89) n-Butylbenzene	13.696	91	161121	20.065	ug/l	97
90) Hexachloroethane	13.959	117	33845	20.195	ug/l	89
91) 1,2-Dichlorobenzene	13.739	146	79221	20.231	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	6109	20.283	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	48370	19.966	ug/l	98
94) Hexachlorobutadiene	15.111	225	28373	20.179	ug/l	97
95) Naphthalene	15.233	128	92304	19.536	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	42049	20.127	ug/l	98

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

