

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102819\
 Data File : VY000449.D
 Acq On : 28 Oct 2019 13:05
 Operator : SY/MD
 Sample : VY1028SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2019 2:06:19 PM

Quant Time: Oct 29 10:12:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	204128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	336362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	304295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	153046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	111638	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
35) Dibromofluoromethane	7.73	113	102317	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.18	98	402711	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.48	95	145920	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	40696	22.875	ug/l	98
3) Chloromethane	2.12	50	58862	23.598	ug/l	96
4) Vinyl Chloride	2.25	62	54669	21.717	ug/l	93
5) Bromomethane	2.64	94	36007	19.300	ug/l	99
6) Chloroethane	2.79	64	34692	21.358	ug/l	98
7) Trichlorofluoromethane	3.12	101	77142	22.402	ug/l	96
8) Diethyl Ether	3.54	74	29674	24.393	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	48896	23.414	ug/l	99
10) Methyl Iodide	4.09	142	47629	16.818	ug/l	99
11) Tert butyl alcohol	4.96	59	23731	105.313	ug/l	96
12) 1,1-Dichloroethene	3.88	96	45423	22.032	ug/l	97
13) Acrolein	3.74	56	18061	68.365	ug/l	96
14) Allyl chloride	4.48	41	76526	22.399	ug/l	96
15) Acrylonitrile	5.18	53	72808	106.931	ug/l	98
16) Acetone	3.95	43	67614	96.964	ug/l	91
17) Carbon Disulfide	4.19	76	130994	20.180	ug/l	97
18) Methyl Acetate	4.48	43	38021	21.945	ug/l	93
19) Methyl tert-butyl Ether	5.22	73	131042	22.833	ug/l	99
20) Methylene Chloride	4.72	84	57954	21.577	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	50724	21.445	ug/l	97
22) Diisopropyl ether	6.13	45	165907	22.960	ug/l	98
23) Vinyl Acetate	6.07	43	523637	111.078	ug/l	99
24) 1,1-Dichloroethane	6.02	63	90187	22.866	ug/l	97
25) 2-Butanone	6.99	43	104403	106.286	ug/l	96
26) 2,2-Dichloropropane	6.99	77	80597	22.176	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	59049	23.071	ug/l	96
28) Bromochloromethane	7.35	49	33261	19.644	ug/l	96
29) Tetrahydrofuran	7.36	42	64416	108.207	ug/l	99
30) Chloroform	7.52	83	91568	23.053	ug/l	98
31) Cyclohexane	7.79	56	88884	21.576	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	80396	22.766	ug/l	98
36) 1,1-Dichloropropene	7.92	75	72253	21.940	ug/l	98
37) Ethyl Acetate	7.09	43	42694	21.895	ug/l	99
38) Carbon Tetrachloride	7.91	117	71157	22.316	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	91832	21.306	ug/l	98
40) Benzene	8.17	78	209840	22.049	ug/l	98
41) Methacrylonitrile	7.32	41	20494m	22.080	ug/l	
42) 1,2-Dichloroethane	8.25	62	59633	21.936	ug/l	100
43) Isopropyl Acetate	8.28	43	78864	21.270	ug/l	98
44) Trichloroethene	8.95	130	56887	21.303	ug/l	99
45) 1,2-Dichloropropane	9.22	63	52639	22.539	ug/l	93
46) Dibromomethane	9.31	93	28810	22.067	ug/l	99
47) Bromodichloromethane	9.50	83	70182	22.809	ug/l	91
48) Methyl methacrylate	9.30	41	34559	21.268	ug/l	99
49) 1,4-Dioxane	9.31	88	8381	428.134	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	214599	112.218	ug/l	99
52) Toluene	10.25	92	133809	22.145	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	75197	22.804	ug/l	93
54) cis-1,3-Dichloropropene	9.93	75	83741	22.362	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	43402	22.864	ug/l	93
56) Ethyl methacrylate	10.51	69	59199	21.879	ug/l	95
57) 1,3-Dichloropropane	10.79	76	74465	22.842	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	134358	124.494	ug/l	98
59) 2-Hexanone	10.83	43	157048	117.000	ug/l	99
60) Dibromochloromethane	10.99	129	49843	23.689	ug/l	97
61) 1,2-Dibromoethane	11.09	107	40607	22.279	ug/l	98
64) Tetrachloroethene	10.72	164	56850	19.624	ug/l	98
65) Chlorobenzene	11.52	112	140065	21.810	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	49766	22.060	ug/l	98
67) Ethyl Benzene	11.60	91	258348	21.701	ug/l	99
68) m/p-Xylenes	11.70	106	196045	43.077	ug/l	97
69) o-Xylene	12.03	106	93694	21.581	ug/l	100
70) Styrene	12.05	104	160381	21.904	ug/l	99
71) Bromoform	12.21	173	28863	22.256	ug/l #	97
73) Isopropylbenzene	12.33	105	255630	21.421	ug/l	100
74) N-amyl acetate	12.14	43	69936	23.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	50275	22.438	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	36870m	19.591	ug/l	
77) Bromobenzene	12.61	156	59224	22.303	ug/l	91
78) n-propylbenzene	12.67	91	308985	21.565	ug/l	99
79) 2-Chlorotoluene	12.75	91	171410	21.662	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	214683	21.454	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	17278	20.088	ug/l	97
82) 4-Chlorotoluene	12.86	91	177717	21.247	ug/l	99
83) tert-Butylbenzene	13.08	119	185457	21.886	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	213849	21.653	ug/l	100
85) sec-Butylbenzene	13.25	105	263475	21.493	ug/l	99
86) p-Isopropyltoluene	13.37	119	236646	22.143	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	114721	21.927	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	114048	21.808	ug/l	99
89) n-Butylbenzene	13.70	91	227226	21.515	ug/l	98
90) Hexachloroethane	13.96	117	42619	21.536	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	106337	22.458	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8652	20.360	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	74439	22.580	ug/l	99
94) Hexachlorobutadiene	15.11	225	39101	21.917	ug/l	97
95) Naphthalene	15.23	128	160719	21.846	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	69031	23.234	ug/l	98

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

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